

## Exercises

Graph these functions!

- $f(x) = 2/3 \cot(1/2x + 2) + 5/3$
- $f(x) = -1/2 \sqrt{-2x} + 4$
- $f(x) = 1/3 x^2 - 2x + 2/3$
- $f(x) = -1/3 \csc(1/3x) + 4$
- $f(x) = 2 \tan(1/2x - 3) - 5/2$
- $f(x) = -4 \sec(x - 1/3) + 4/3$
- $f(x) = 3 \sqrt{-x - 1} - 1$
- $f(x) = 4/3 \sin(2x + 1/2)$
- $f(x) = -4/3 \sin(2/3x + 1) - 5/3$
- $f(x) = -2(x + 1)^{-1} + 2$
- $f(x) = 3/2 \csc(2x - 3/2)$
- $f(x) = -4/3 (-2/3x - 1)^{-1} - 1$
- $f(x) = -2/3 \sec(\pi x - 5/2) + 1$
- $f(x) = 2 \tan(\pi x - 1) - 1$
- $f(x) = -3 \cot(\pi x + 3) + 4/3$
- $f(x) = -3 \cot(2x + 2/3) + 3/2$
- $f(x) = 1/3 \tan(1/3x - 1/3) - 1$
- $f(x) = \sin(2/3x - 5) + 4$
- $f(x) = 1/2 \tan(2/3x + 1/2) + 2$
- $f(x) = -\sec(2x + 1/2) - 5$
- $f(x) = -4/3 \cot(2/3x - 1) - 5/3$
- $f(x) = -x^{-1}$
- $f(x) = -3/4 \sqrt{-2x + 6} + 1$
- $f(x) = -1/2 x^2 - 5x + 2$
- $f(x) = \sin(\pi x + 2/3) + 1/3$
- $f(x) = -2 \cos(x + 3/2) - 5$
- $f(x) = 4/3 x^2 - x - 1$
- $f(x) = -1/3 \sin(2\pi x - 2) + 1$
- $f(x) = 2 \cos(1/2x - 2/3) - 4$
- $f(x) = -1/2 \tan(1/3x + 3/2) + 2$
- $f(x) = -3/2 \csc(2/3x - 5/3) + 1/2$
- $f(x) = 2/3 \cot(x - 5/2) + 5/3$
- $f(x) = \tan(1/3x + 4) - 5$
- $f(x) = -2/3 \sec(2x) + 5/3$
- $f(x) = -1/3 (x + 5/3)^2 + 1/2$
- $f(x) = (x + 1/3)^2 - 2$
- $f(x) = 2/3 \cot(x + 2) - 1/3$
- $f(x) = (-1/2x - 5/2)^{-1} + 2$
- $f(x) = -3/2 \sec(x - 5) - 4$
- $f(x) = 4/3 \sin(2/3x - 5/3) + 1$
- $f(x) = -4 \tan(2x + 2) + 1$
- $f(x) = -\sin(2/3x + 2) + 5/2$
- $f(x) = \sqrt{-2x - 2} - 2/3$
- $f(x) = \tan(1/3x + 1) - 1/2$
- $f(x) = 9/4 x^{-1} - 5/2$
- $f(x) = -4/3 x^2 - 1/3 x + 1$
- $f(x) = -(x + 2/3)^2 - 4/3$
- $f(x) = -4/3 \cos(x - 5) + 5/2$
- $f(x) = -2 \cot(2\pi x - 1/3) + 2$
- $f(x) = \cos(2\pi x + 5/2) + 1$
- $f(x) = 3x^2 + 3x - 4$
- $f(x) = 3/2 x^2 + 2x - 1/2$

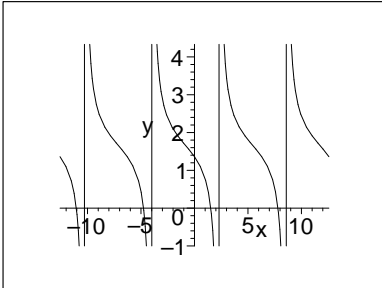
53.  $f(x) = -3/2 \cos(1/3x + 2/3) + 5$
54.  $f(x) = -1/2 \sec(1/2x - 5/3) + 3$
55.  $f(x) = -(1/3x + 1)^{-1} - 1$
56.  $f(x) = 1/6 \sqrt{-2x - 4} - 3/2$
57.  $f(x) = -3 \cot(x + 1/2) - 2$
58.  $f(x) = 2 \tan(x + 5/3) + 1$
59.  $f(x) = -1/2 \sin(2x - 1) - 5/3$
60.  $f(x) = \cot(x - 1/3) - 5/2$
61.  $f(x) = -\sin(1/3x - 1) - 1/3$
62.  $f(x) = -3/2x^2 + 1/2x + 1/3$
63.  $f(x) = (x + 1)^2 + 2/3$
64.  $f(x) = -4/3x^2 - 4/3$
65.  $f(x) = -1/2 \sec(2\pi x - 2) - 5/3$
66.  $f(x) = -(x - 1/2)^2 + 4$
67.  $f(x) = \tan(1/3x - 2) - 4/3$
68.  $f(x) = -2 \sec(2x + 4) - 4/3$
69.  $f(x) = -3 \tan(1/3x - 1) - 4$
70.  $f(x) = -\cot(x + 1)$
71.  $f(x) = -3/2 \sqrt{-x + 5} + 4/3$
72.  $f(x) = -2/3 \sec(2/3x) + 1$
73.  $f(x) = 4x^2 - 2$
74.  $f(x) = 2/3 \cot(x) + 2$
75.  $f(x) = 3 \sin(x + 1/2) - 2$
76.  $f(x) = 2/3 \sec(x - 1) - 1/3$
77.  $f(x) = -\tan(2x - 5/2) - 1/2$
78.  $f(x) = 4/3 \cos(2x - 4/3) - 4/3$
79.  $f(x) = -1/3 (-2\pi x + 1/2)^{-1} + 1/2$
80.  $f(x) = \cot(1/3x + 1/2) - 1/2$
81.  $f(x) = -2x^2 + x + 4/3$
82.  $f(x) = (2x + 4/3)^{-1} - 1$
83.  $f(x) = -1/2 (x - 1)^2 - 2/3$
84.  $f(x) = 4 \cos(1/3x + 2) + 2/3$
85.  $f(x) = 3/4 \sqrt{2x + 2} + 2/3$
86.  $f(x) = \sin(2\pi x + 1) - 4$
87.  $f(x) = 2/3 \cot(1/3x + 1) + 1/2$
88.  $f(x) = -1/2 \sqrt{-4x + 2} - 5$
89.  $f(x) = -1/2 (2x - 2)^{-1} - 1/3$
90.  $f(x) = -4/3 (\pi x - 1/2)^{-1} + 2$
91.  $f(x) = -2/3 \csc(1/3x + 3/2) + 4/3$
92.  $f(x) = 1/3 \sec(2/3x - 1) + 2/3$
93.  $f(x) = -2 \tan(x - 5/3) - 2$
94.  $f(x) = -1/3 \sqrt{-x + 1} + 5/3$
95.  $f(x) = 2/3 \sec(x + 1/3) - 4/3$
96.  $f(x) = -1/2 \sqrt{\pi x + 1} + 5$
97.  $f(x) = 3 \csc(x + 2) - 5/3$
98.  $f(x) = 2/3 \sqrt{-x} + 2$
99.  $f(x) = -\sqrt{x}$
100.  $f(x) = 2 \sqrt{-\pi x + 2} + 4/3$
101.  $f(x) = -4/3 \sec(x - 5) + 3/2$
102.  $f(x) = -2x^2 + 3x - 3$
103.  $f(x) = -2 \sin(x - 1) + 2$
104.  $f(x) = -2x^2 - 5x + 5/2$
105.  $f(x) = -3/2 (x + 5/3)^2 + 5/2$
106.  $f(x) = -2 \sin(1/2x + 1) - 5$
107.  $f(x) = -3/2 \cos(\pi x - 2/3) - 1/2$
108.  $f(x) = 1/2 (x + 1/3)^2$
109.  $f(x) = \sin(x - 1/3) + 5/3$

110.  $f(x) = 2(x-2)^2 + 5/2$
111.  $f(x) = \cos(1/3x - 1) + 1$
112.  $f(x) = \sec(1/3x + 1) - 3$
113.  $f(x) = \cot(2/3x - 3/2) - 4$
114.  $f(x) = -\sec(x + 1) + 1/2$
115.  $f(x) = 4/3 \csc(2/3x - 5/3) - 1/2$
116.  $f(x) = 4 \tan(x + 1) + 1/3$
117.  $f(x) = 4/3 \sin(1/3x + 5) + 2$
118.  $f(x) = 3/2 \sin(1/2x + 2) + 5$
119.  $f(x) = 1/2 \cos(2/3x + 4) + 2$
120.  $f(x) = 1/2 (2\pi x + 1/3)^{-1} + 2$
121.  $f(x) = 2/3 \csc(1/3x + 2/3)$
122.  $f(x) = (x + 1/2)^2 - 4/3$
123.  $f(x) = 4 \sec(x + 2) - 3/2$
124.  $f(x) = -\cot(x) + 3/2$
125.  $f(x) = -4/3 \sec(2/3x)$
126.  $f(x) = -1/2x^2 - 1/2x + 2/3$
127.  $f(x) = 2(-1/2x + 1)^{-1} + 1/3$
128.  $f(x) = (x + 2)^2 - 4$
129.  $f(x) = 4(1/3x - 4/3)^{-1} - 2$
130.  $f(x) = 4/3 \cos(1/2x) - 2/3$
131.  $f(x) = -x^2 - 3x$
132.  $f(x) = \cot(2\pi x - 4/3) + 1$
133.  $f(x) = 2/3 \sec(x + 1/2) + 2/3$
134.  $f(x) = x^2 + 2/3x - 2$
135.  $f(x) = -4/3 \sec(x + 2) + 5/2$
136.  $f(x) = 2/3(-1/2x + 1/3)^{-1} + 4/3$
137.  $f(x) = -2 \sin(1/2x - 3/2) - 5/3$
138.  $f(x) = -1/3(x + 2)^2 + 2$
139.  $f(x) = 1/2 \csc(2/3x - 1) - 2/3$
140.  $f(x) = x^{-1} + 5/2$
141.  $f(x) = \sin(x - 1/2) + 2/3$
142.  $f(x) = -4 \csc(2x - 1/3) + 1/3$
143.  $f(x) = 1/2 \cos(1/3x + 3/2)$
144.  $f(x) = 1/3\sqrt{2x - 6} + 1$
145.  $f(x) = -4/3(x + 3/2)^2 + 1$
146.  $f(x) = -4 \cot(2/3x - 1/3) - 5/2$
147.  $f(x) = -(1/3x + 4/3)^{-1} + 1/3$
148.  $f(x) = 2x^2 - 1/3x - 1/3$
149.  $f(x) = -(2\pi x + 2)^{-1} - 1/3$
150.  $f(x) = -\sec(1/2x - 5/3) - 3$
151.  $f(x) = -\sqrt{\pi x - 3} + 5/2$
152.  $f(x) = -1/3 \sin(x + 1) + 2/3$
153.  $f(x) = -3(-x + 3)^{-1} + 4$
154.  $f(x) = -(x - 1/2)^2 + 5/3$
155.  $f(x) = -1/6\sqrt{2x - 4} + 1$
156.  $f(x) = \cos(2x + 3) + 2$
157.  $f(x) = 2x^2 - 3$
158.  $f(x) = -2 \tan(2/3x + 1/2) + 3/2$
159.  $f(x) = -4/3 \cos(2x + 3/2) - 4$
160.  $f(x) = -4/3 \sin(1/3x + 1/2)$
161.  $f(x) = -4/3(-\pi x - 1/2)^{-1} - 1/2$
162.  $f(x) = \sqrt{9x - 12} + 1$
163.  $f(x) = 4 \sin(x - 2/3) - 5/3$
164.  $f(x) = 2x^2 + 3/2x - 5/2$
165.  $f(x) = 1/2\sqrt{-4x - 6} - 3/2$
166.  $f(x) = 2(x + 3/2)^2 + 1$

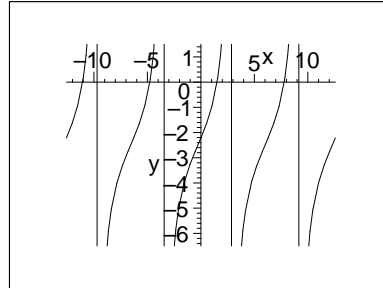
167.  $f(x) = -1/3 \tan(\pi x + 5) - 5/3$
168.  $f(x) = 3/2 \cot(x + 5) - 3/2$
169.  $f(x) = 2 \sec(2/3 x + 2) - 5/3$
170.  $f(x) = 2 \sec(2/3 x + 1) - 4/3$
171.  $f(x) = -3/2 (x - 4/3)^2 - 2$
172.  $f(x) = 2/3 \sqrt{2} \sqrt{x} - 2$
173.  $f(x) = 2 (-1/2 x - 4/3)^{-1} + 3/2$
174.  $f(x) = -3/2 \csc(x - 4) + 4$
175.  $f(x) = 4/3 \sec(x + 5)$
176.  $f(x) = 4 \csc(x + 5/2) - 4/3$
177.  $f(x) = \cos(x) - 5/2$
178.  $f(x) = 3/2 \sin(1/2 x - 1)$
179.  $f(x) = 1/3 \sin(x) - 5/2$
180.  $f(x) = \sin(2x + 3/2) + 2$
181.  $f(x) = -(-x - 5)^{-1} + 2/3$
182.  $f(x) = 2 \sin(2/3 x) - 4$
183.  $f(x) = -2 \cot(\pi x - 2) + 1$
184.  $f(x) = -3/2 (1/2 x + 1/3)^{-1} - 1$
185.  $f(x) = 3/2 \sin(2\pi x + 1/3) + 3/2$
186.  $f(x) = -2 (x - 1)^2 + 2$
187.  $f(x) = 3/2 \sqrt{-4x - 2} - 1$
188.  $f(x) = 3 \tan(x + 4) + 1$
189.  $f(x) = -1/2 \sin(1/2 x + 1/2) - 4/3$
190.  $f(x) = -3 \tan(2x + 4/3) + 2/3$
191.  $f(x) = -1/2 \cos(2\pi x + 1) - 5$
192.  $f(x) = \sqrt{x - 2} - 1$
193.  $f(x) = -3 \sin(1/3 x + 1) + 1/2$
194.  $f(x) = 2 \csc(1/2 x + 1) + 1/2$
195.  $f(x) = 3/2 \sqrt{x + 2} + 5/2$
196.  $f(x) = -3/2 \sin(x - 1)$
197.  $f(x) = 2 \tan(x + 4) - 3$
198.  $f(x) = 2 \tan(2/3 x) - 3$
199.  $f(x) = 4/3 \cos(2/3 x + 2/3) + 4/3$
200.  $f(x) = -1/3 \sec(1/3 x + 1) - 5/3$

## Solutions

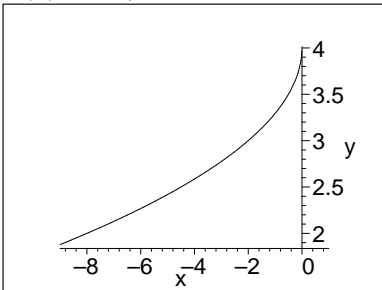
1.  $f(x) = 2/3 \cot(1/2x + 2) + 5/3$



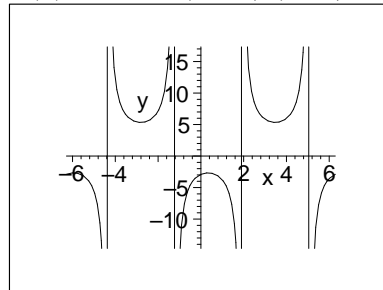
5.  $f(x) = 2 \tan(1/2x - 3) - 5/2$



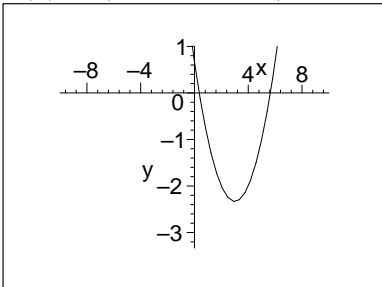
2.  $f(x) = -1/2 \sqrt{-2x} + 4$



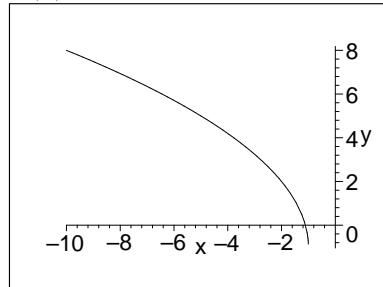
6.  $f(x) = -4 \sec(x - 1/3) + 4/3$



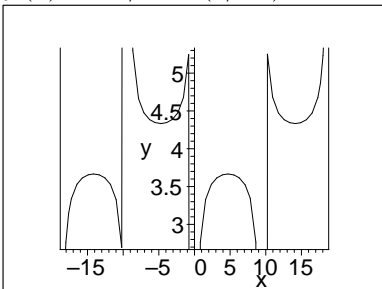
3.  $f(x) = 1/3 x^2 - 2x + 2/3$



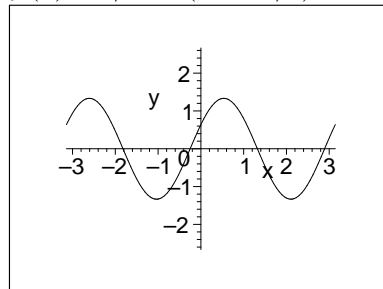
7.  $f(x) = 3 \sqrt{-x - 1} - 1$



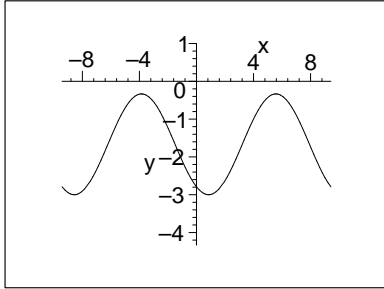
4.  $f(x) = -1/3 \csc(1/3x) + 4$



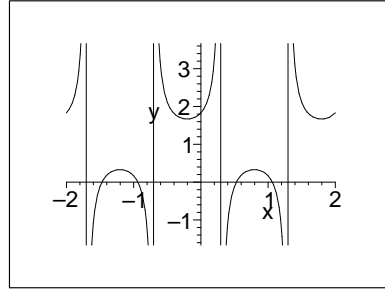
8.  $f(x) = 4/3 \sin(2x + 1/2)$



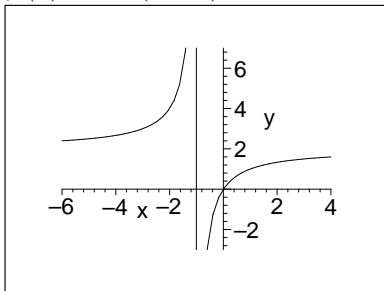
9.  $f(x) = -4/3 \sin(2/3x + 1) - 5/3$



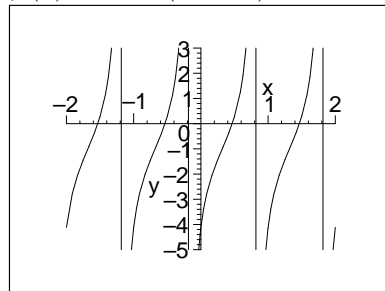
13.  $f(x) = -2/3 \sec(\pi x - 5/2) + 1$



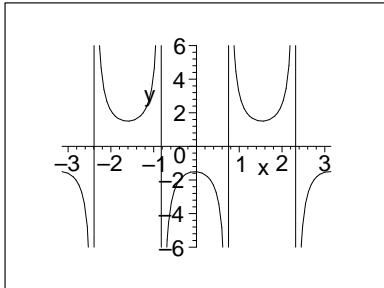
10.  $f(x) = -2(x+1)^{-1} + 2$



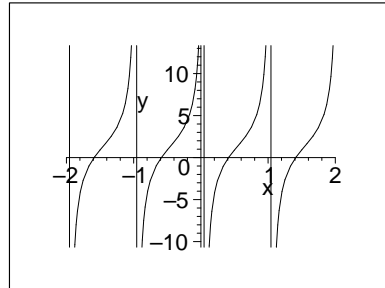
14.  $f(x) = 2 \tan(\pi x - 1) - 1$



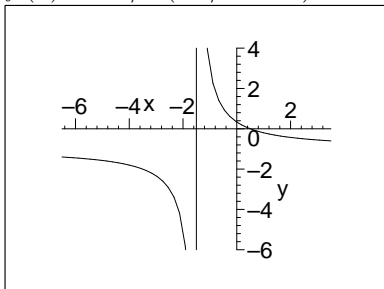
11.  $f(x) = 3/2 \csc(2x - 3/2)$



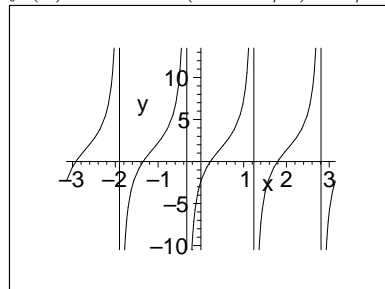
15.  $f(x) = -3 \cot(\pi x + 3) + 4/3$



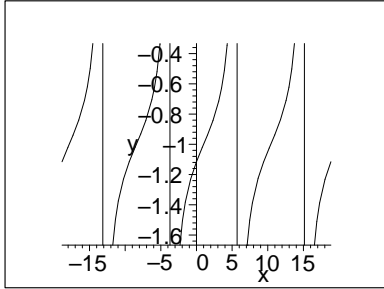
12.  $f(x) = -4/3(-2/3x - 1)^{-1} - 1$



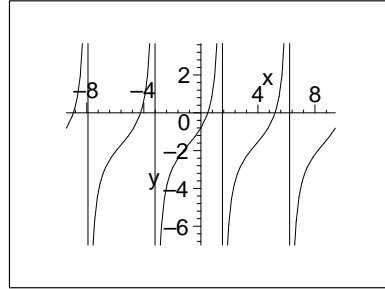
16.  $f(x) = -3 \cot(2x + 2/3) + 3/2$



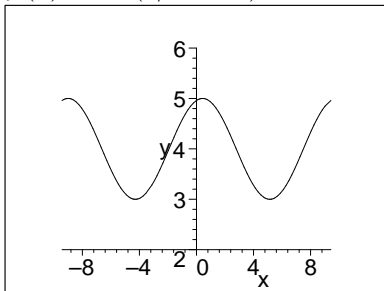
17.  $f(x) = 1/3 \tan(1/3 x - 1/3) - 1$



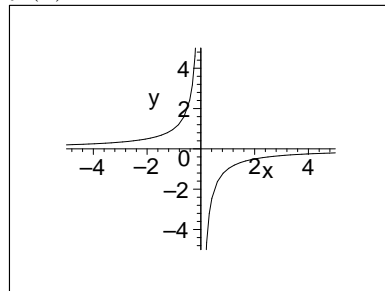
21.  $f(x) = -4/3 \cot(2/3 x - 1) - 5/3$



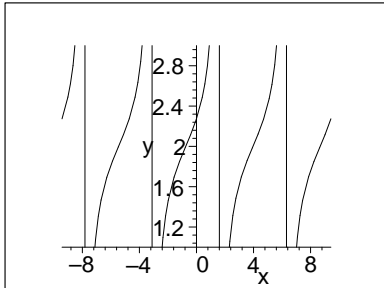
18.  $f(x) = \sin(2/3 x - 5) + 4$



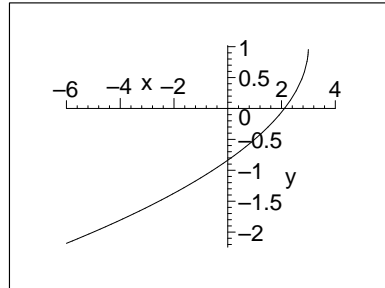
22.  $f(x) = -x^{-1}$



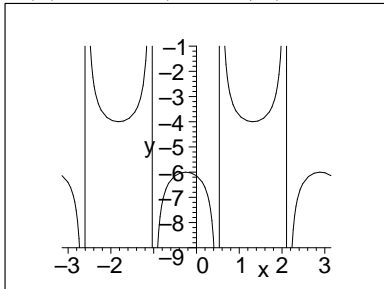
19.  $f(x) = 1/2 \tan(2/3 x + 1/2) + 2$



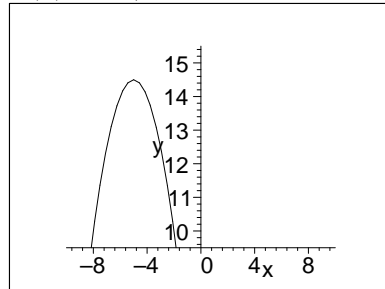
23.  $f(x) = -3/4 \sqrt{-2x + 6} + 1$



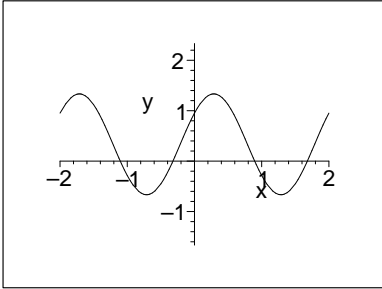
20.  $f(x) = -\sec(2x + 1/2) - 5$



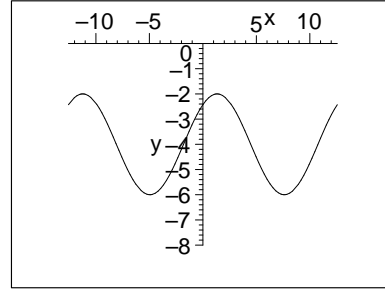
24.  $f(x) = -1/2 x^2 - 5x + 2$



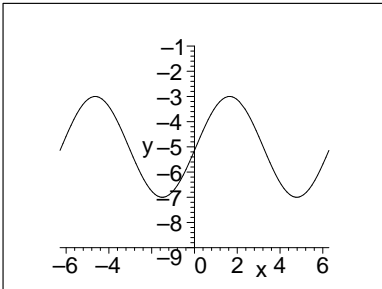
25.  $f(x) = \sin(\pi x + 2/3) + 1/3$



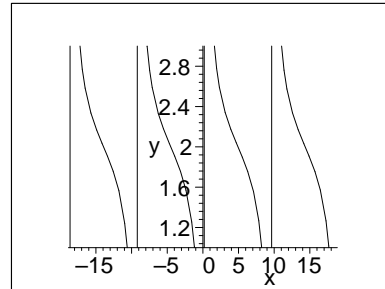
29.  $f(x) = 2 \cos(1/2 x - 2/3) - 4$



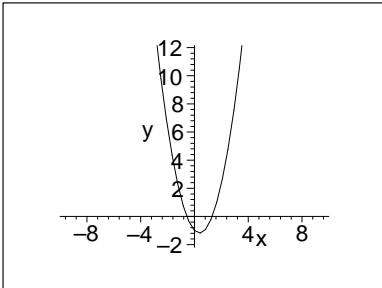
26.  $f(x) = -2 \cos(x + 3/2) - 5$



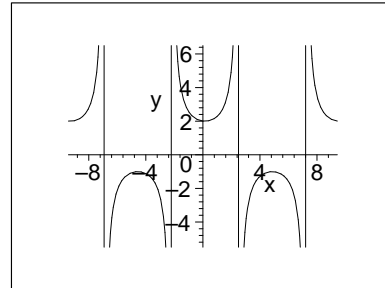
30.  $f(x) = -1/2 \tan(1/3 x + 3/2) + 2$



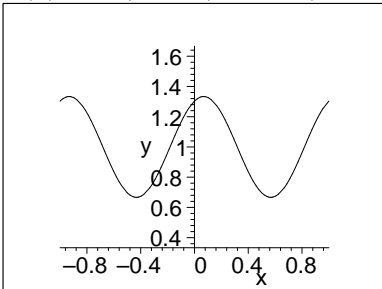
27.  $f(x) = 4/3 x^2 - x - 1$



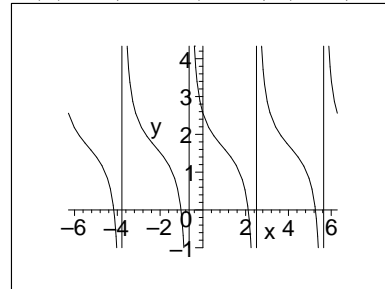
31.  $f(x) = -3/2 \csc(2/3 x - 5/3) + 1/2$



28.  $f(x) = -1/3 \sin(2\pi x - 2) + 1$

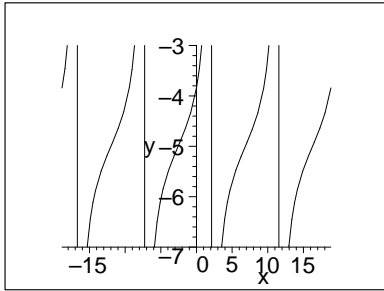


32.  $f(x) = 2/3 \cot(x - 5/2) + 5/3$

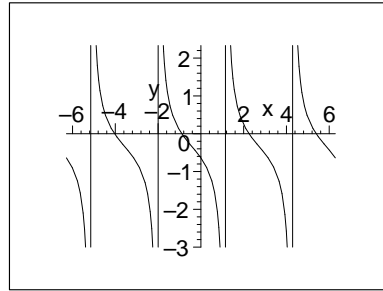




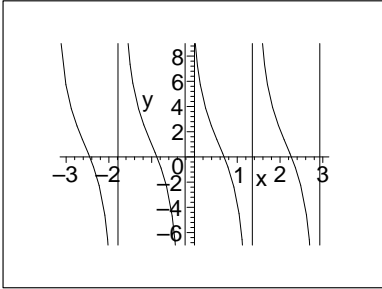
33.  $f(x) = \tan(1/3x + 4) - 5$



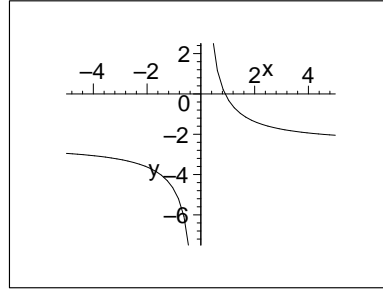
37.  $f(x) = 2/3 \cot(x + 2) - 1/3$



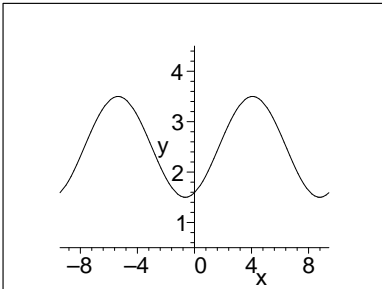
41.  $f(x) = -4 \tan(2x + 2) + 1$



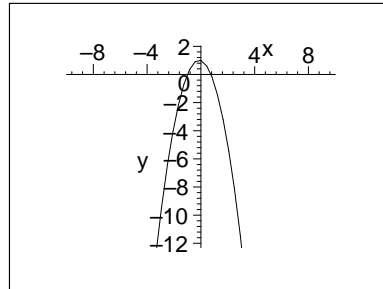
45.  $f(x) = 9/4 x^{-1} - 5/2$



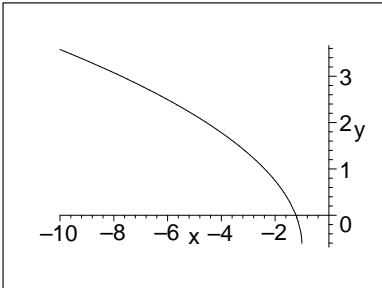
42.  $f(x) = -\sin(2/3 x + 2) + 5/2$



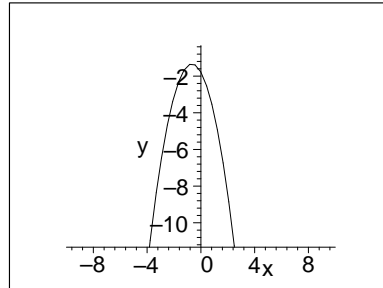
46.  $f(x) = -4/3 x^2 - 1/3 x + 1$



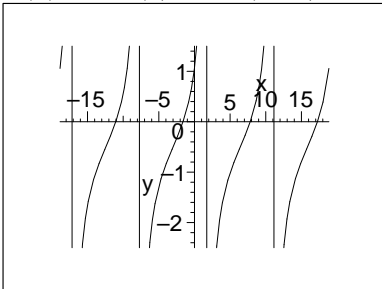
43.  $f(x) = \sqrt{-2x - 2} - 2/3$



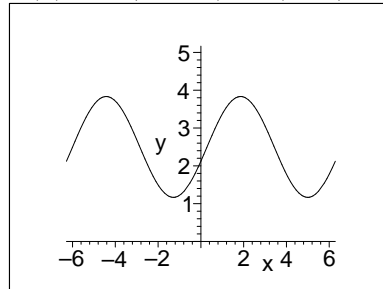
47.  $f(x) = -(x + 2/3)^2 - 4/3$



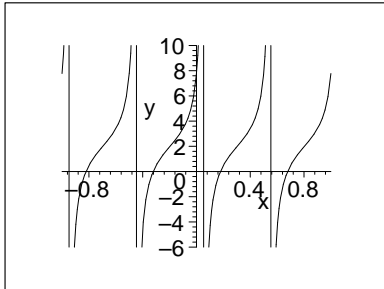
44.  $f(x) = \tan(1/3 x + 1) - 1/2$



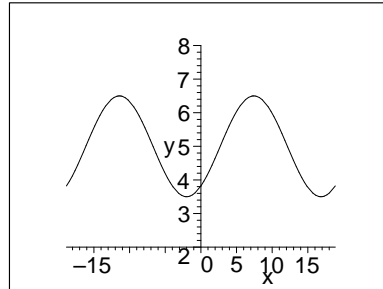
48.  $f(x) = -4/3 \cos(x - 5) + 5/2$



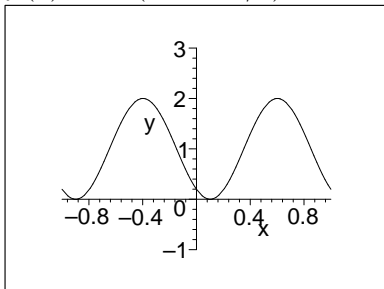
49.  $f(x) = -2 \cot(2\pi x - 1/3) + 2$



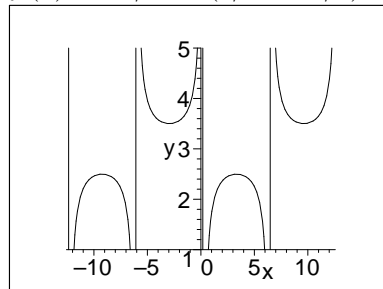
53.  $f(x) = -3/2 \cos(1/3 x + 2/3) + 5$



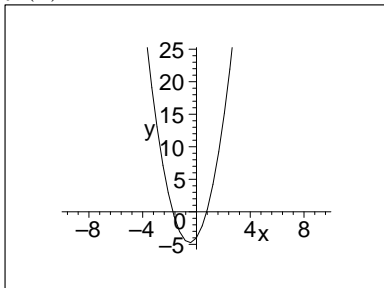
50.  $f(x) = \cos(2\pi x + 5/2) + 1$



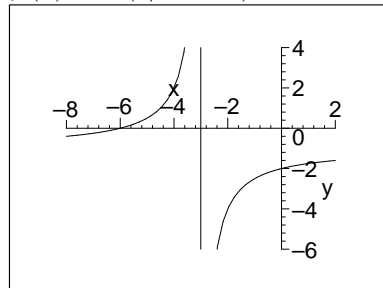
54.  $f(x) = -1/2 \sec(1/2 x - 5/3) + 3$



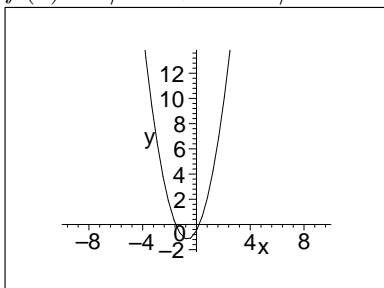
51.  $f(x) = 3x^2 + 3x - 4$



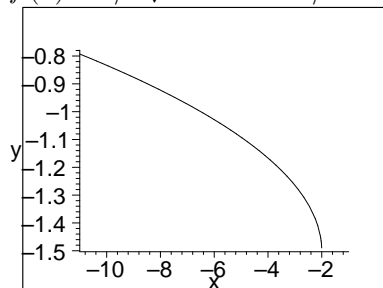
55.  $f(x) = -(1/3 x + 1)^{-1} - 1$



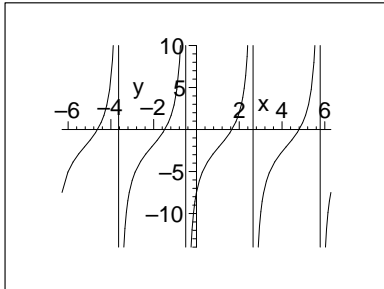
52.  $f(x) = 3/2 x^2 + 2x - 1/2$



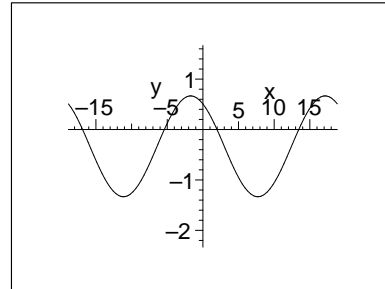
56.  $f(x) = 1/6 \sqrt{-2x - 4} - 3/2$



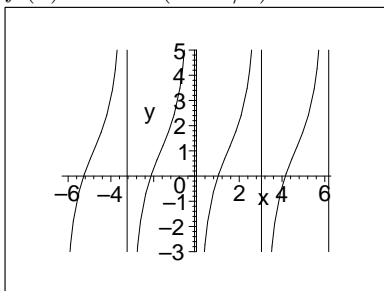
57.  $f(x) = -3 \cot(x + 1/2) - 2$



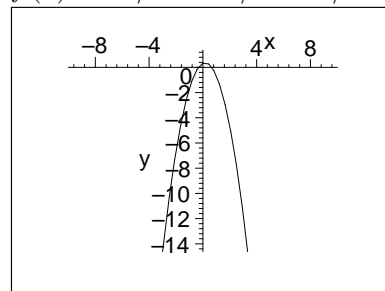
61.  $f(x) = -\sin(1/3 x - 1) - 1/3$



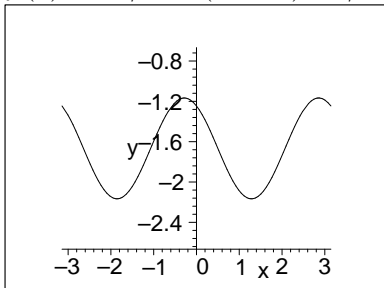
58.  $f(x) = 2 \tan(x + 5/3) + 1$



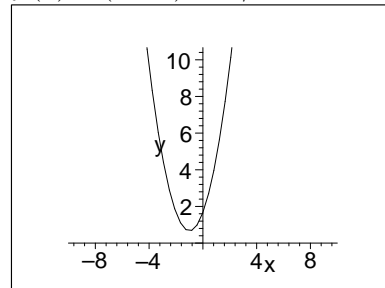
62.  $f(x) = -3/2 x^2 + 1/2 x + 1/3$



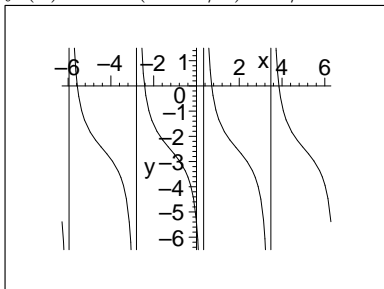
59.  $f(x) = -1/2 \sin(2x - 1) - 5/3$



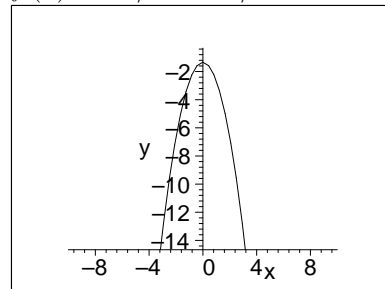
63.  $f(x) = (x + 1)^2 + 2/3$



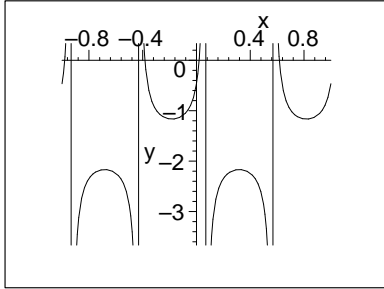
60.  $f(x) = \cot(x - 1/3) - 5/2$



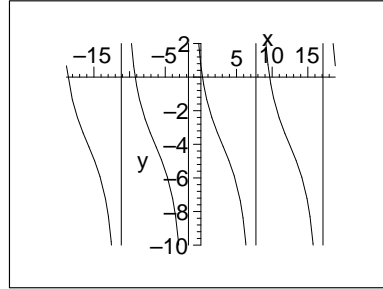
64.  $f(x) = -4/3 x^2 - 4/3$



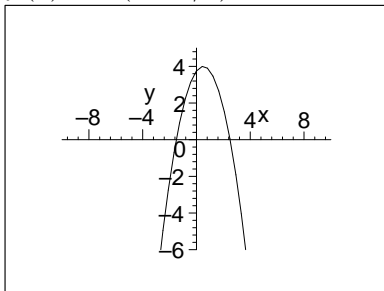
65.  $f(x) = -1/2 \sec(2\pi x - 2) - 5/3$



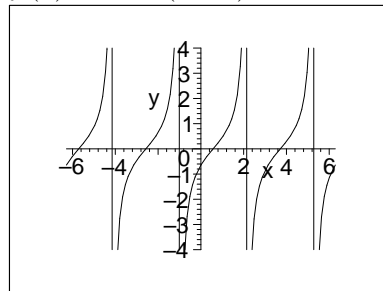
69.  $f(x) = -3 \tan(1/3 x - 1) - 4$



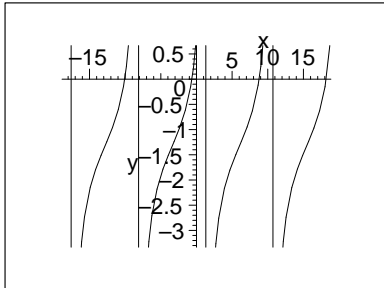
66.  $f(x) = -(x - 1/2)^2 + 4$



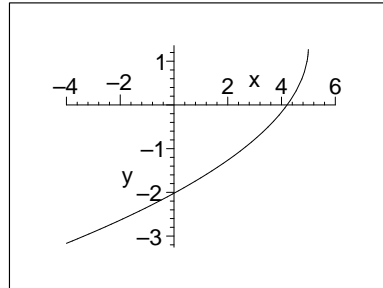
70.  $f(x) = -\cot(x + 1)$



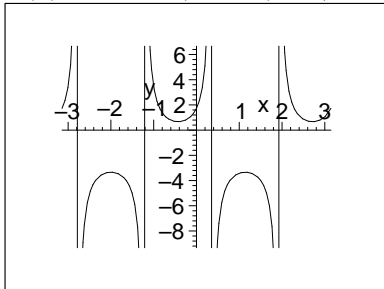
67.  $f(x) = \tan(1/3 x - 2) - 4/3$



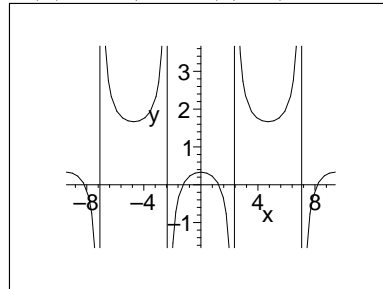
71.  $f(x) = -3/2 \sqrt{-x + 5} + 4/3$



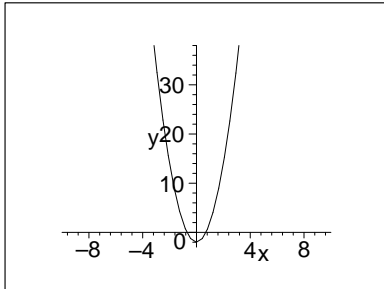
68.  $f(x) = -2 \sec(2x + 4) - 4/3$



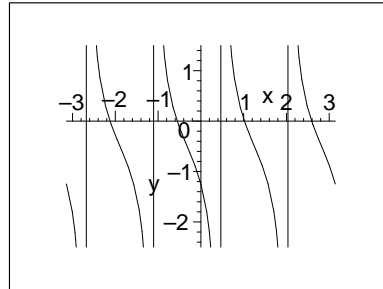
72.  $f(x) = -2/3 \sec(2/3 x) + 1$



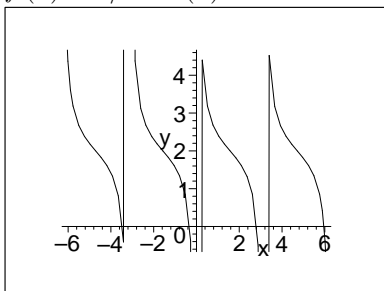
73.  $f(x) = 4x^2 - 2$



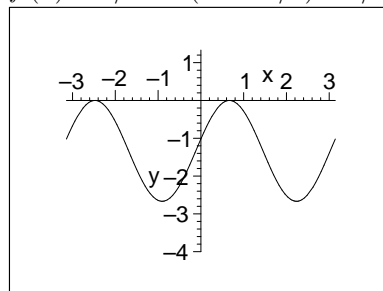
77.  $f(x) = -\tan(2x - 5/2) - 1/2$



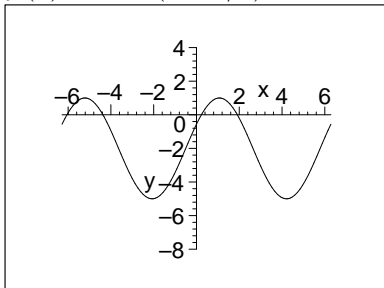
74.  $f(x) = 2/3 \cot(x) + 2$



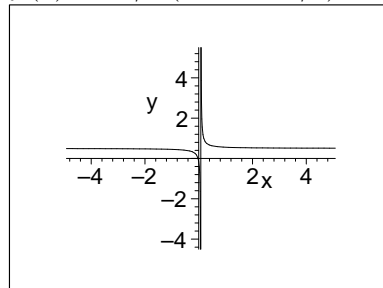
78.  $f(x) = 4/3 \cos(2x - 4/3) - 4/3$



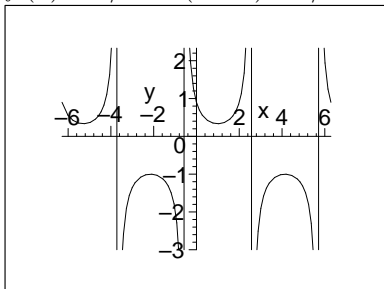
75.  $f(x) = 3 \sin(x + 1/2) - 2$



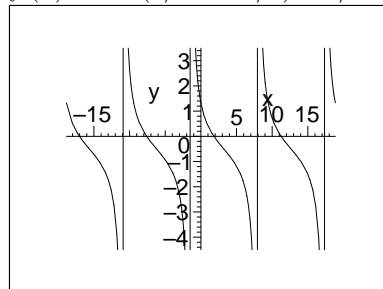
79.  $f(x) = -1/3 (-2\pi x + 1/2)^{-1} + 1/2$



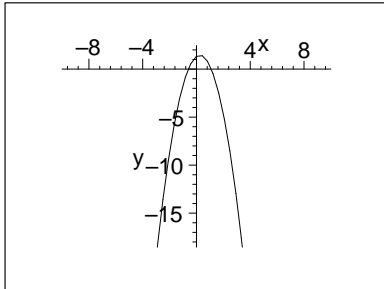
76.  $f(x) = 2/3 \sec(x - 1) - 1/3$



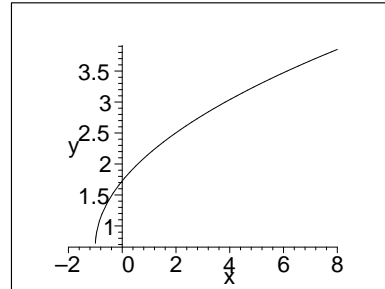
80.  $f(x) = \cot(1/3 x + 1/2) - 1/2$



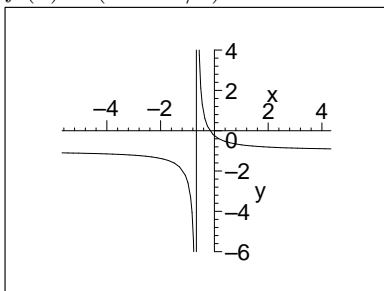
81.  $f(x) = -2x^2 + x + 4/3$



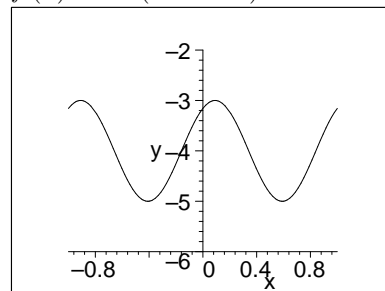
85.  $f(x) = 3/4 \sqrt{2x+2} + 2/3$



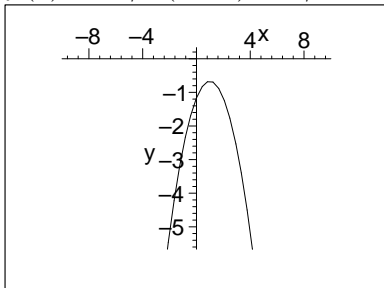
82.  $f(x) = (2x + 4/3)^{-1} - 1$



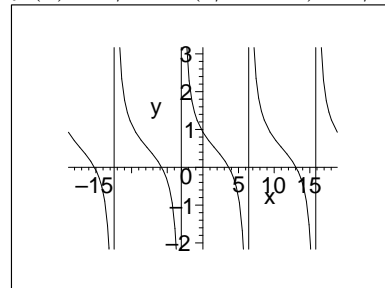
86.  $f(x) = \sin(2\pi x + 1) - 4$



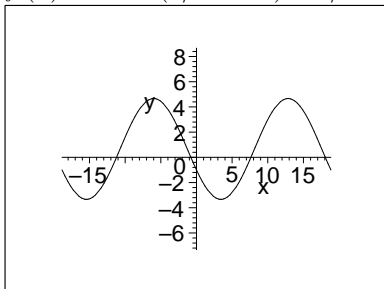
83.  $f(x) = -1/2 (x - 1)^2 - 2/3$



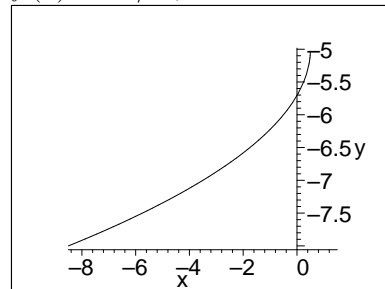
87.  $f(x) = 2/3 \cot(1/3 x + 1) + 1/2$



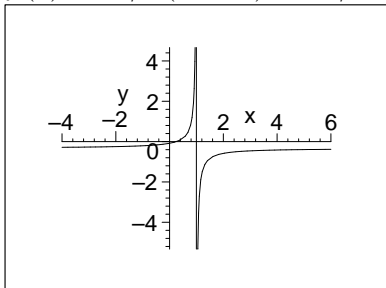
84.  $f(x) = 4 \cos(1/3 x + 2) + 2/3$



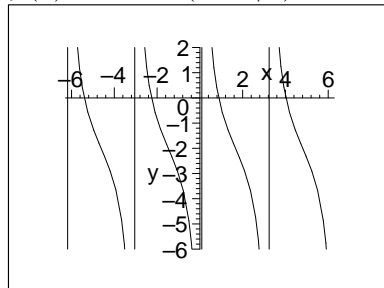
88.  $f(x) = -1/2 \sqrt{-4x+2} - 5$



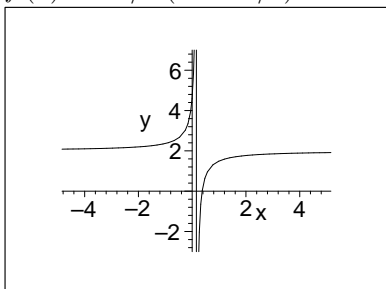
89.  $f(x) = -1/2 (2x - 2)^{-1} - 1/3$



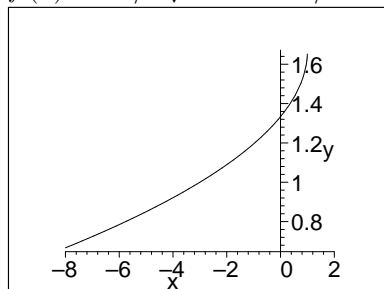
93.  $f(x) = -2 \tan(x - 5/3) - 2$



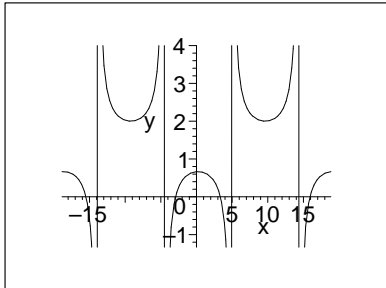
90.  $f(x) = -4/3 (\pi x - 1/2)^{-1} + 2$



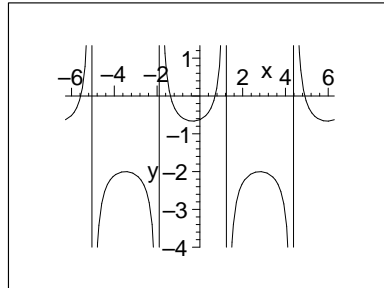
94.  $f(x) = -1/3 \sqrt{-x+1} + 5/3$



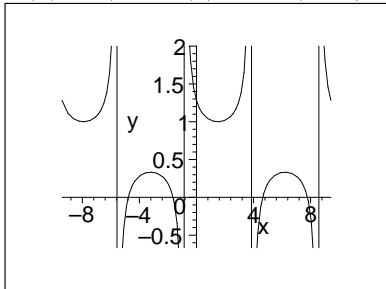
91.  $f(x) = -2/3 \csc(1/3 x + 3/2) + 4/3$



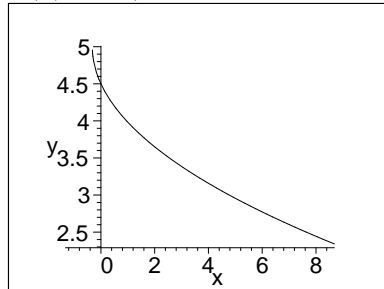
95.  $f(x) = 2/3 \sec(x + 1/3) - 4/3$



92.  $f(x) = 1/3 \sec(2/3 x - 1) + 2/3$

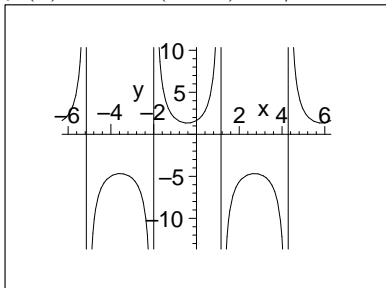


96.  $f(x) = -1/2 \sqrt{\pi x + 1} + 5$

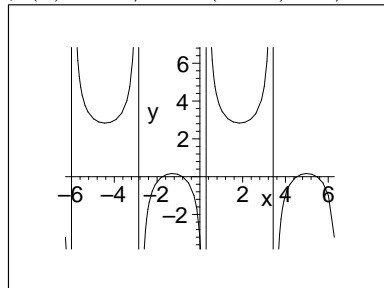




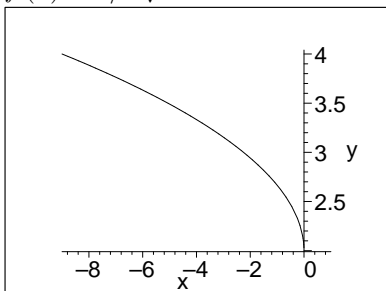
97.  $f(x) = 3 \csc(x + 2) - 5/3$



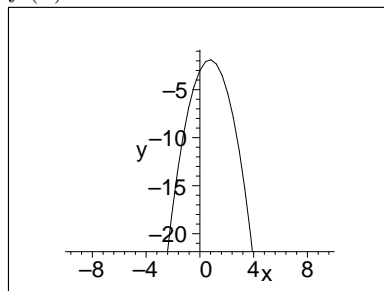
101.  $f(x) = -4/3 \sec(x - 5) + 3/2$



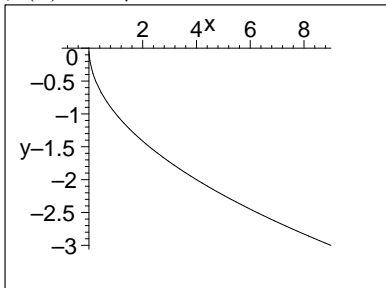
98.  $f(x) = 2/3 \sqrt{-x} + 2$



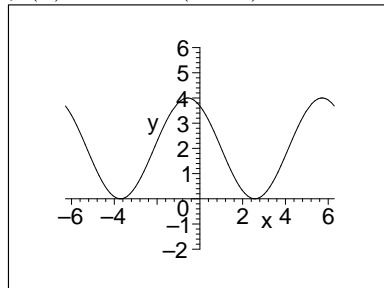
102.  $f(x) = -2x^2 + 3x - 3$



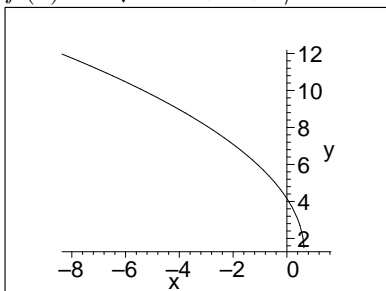
99.  $f(x) = -\sqrt{x}$



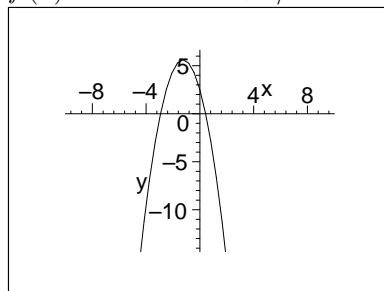
103.  $f(x) = -2 \sin(x - 1) + 2$



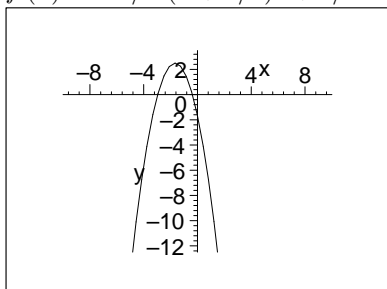
100.  $f(x) = 2\sqrt{-\pi x + 2} + 4/3$



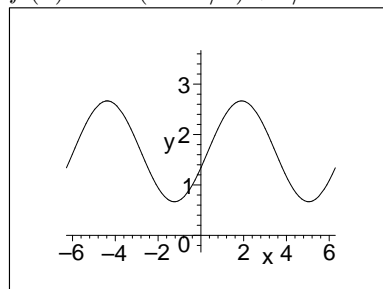
104.  $f(x) = -2x^2 - 5x + 5/2$



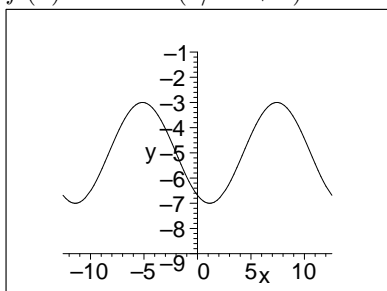
105.  $f(x) = -3/2 (x + 5/3)^2 + 5/2$



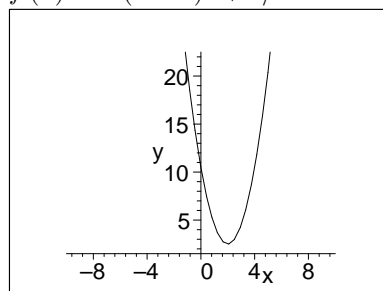
109.  $f(x) = \sin(x - 1/3) + 5/3$



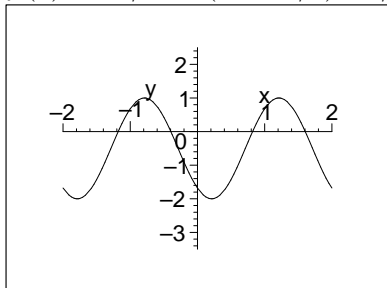
106.  $f(x) = -2 \sin(1/2 x + 1) - 5$



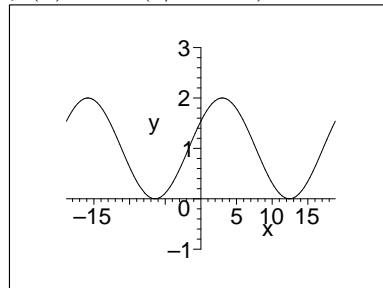
110.  $f(x) = 2(x - 2)^2 + 5/2$



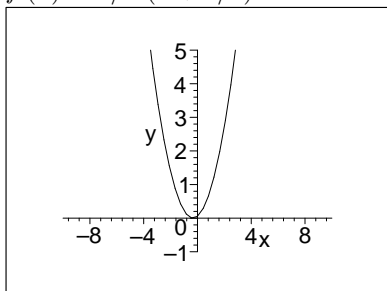
107.  $f(x) = -3/2 \cos(\pi x - 2/3) - 1/2$



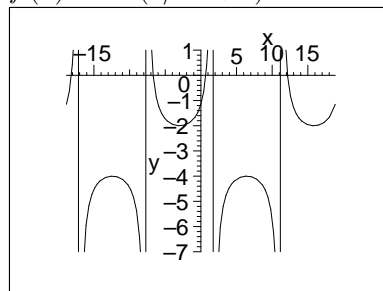
111.  $f(x) = \cos(1/3 x - 1) + 1$



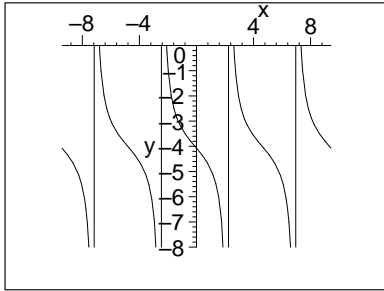
108.  $f(x) = 1/2 (x + 1/3)^2$



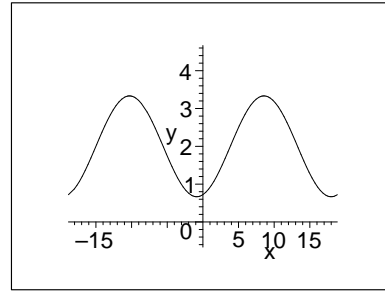
112.  $f(x) = \sec(1/3 x + 1) - 3$



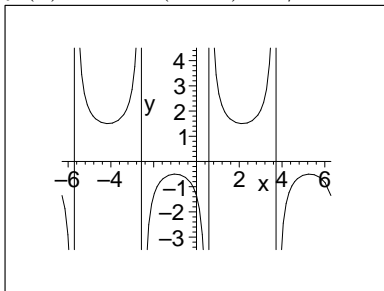
113.  $f(x) = \cot(2/3x - 3/2) - 4$



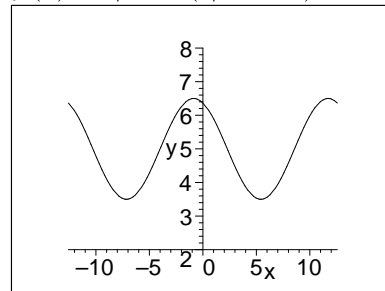
117.  $f(x) = 4/3 \sin(1/3x + 5) + 2$



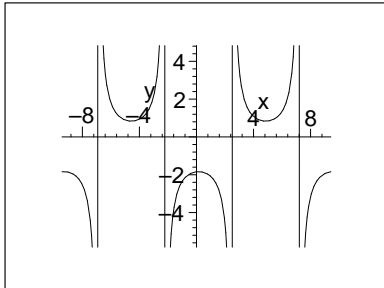
114.  $f(x) = -\sec(x + 1) + 1/2$



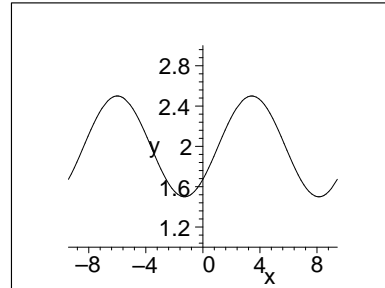
118.  $f(x) = 3/2 \sin(1/2x + 2) + 5$



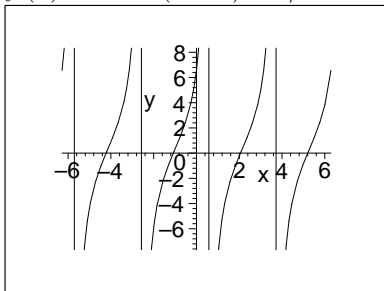
115.  $f(x) = 4/3 \csc(2/3x - 5/3) - 1/2$



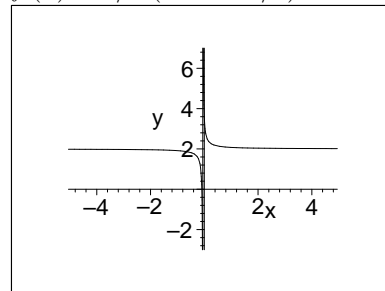
119.  $f(x) = 1/2 \cos(2/3x + 4) + 2$



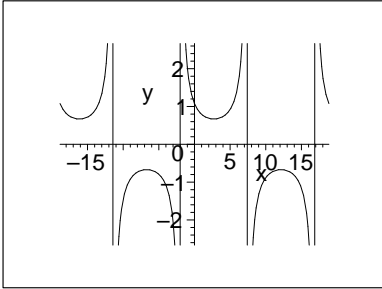
116.  $f(x) = 4 \tan(x + 1) + 1/3$



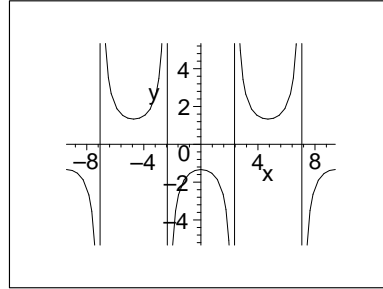
120.  $f(x) = 1/2 (2\pi x + 1/3)^{-1} + 2$



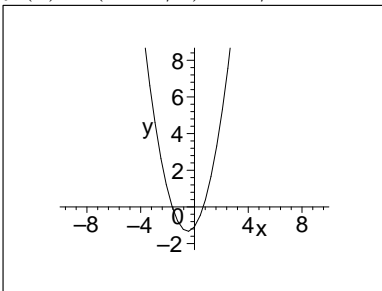
121.  $f(x) = 2/3 \csc(1/3x + 2/3)$



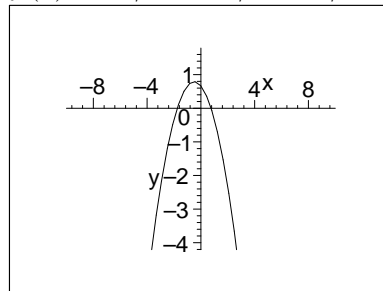
125.  $f(x) = -4/3 \sec(2/3x)$



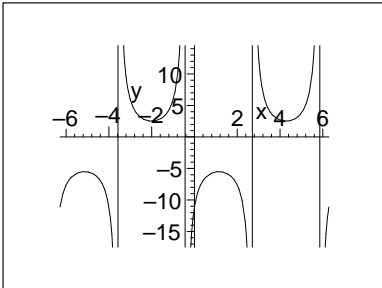
122.  $f(x) = (x + 1/2)^2 - 4/3$



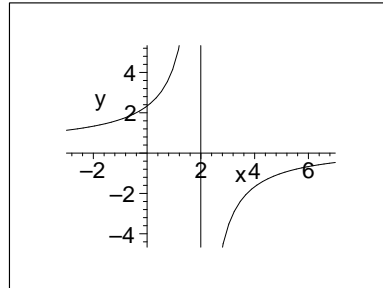
126.  $f(x) = -1/2x^2 - 1/2x + 2/3$



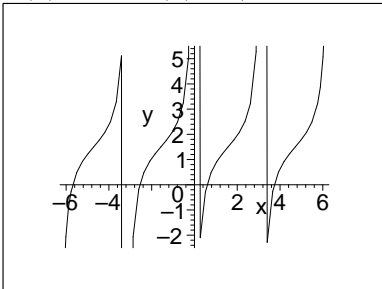
123.  $f(x) = 4 \sec(x + 2) - 3/2$



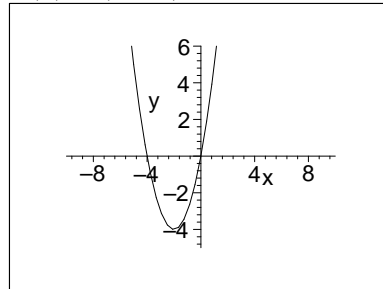
127.  $f(x) = 2(-1/2x + 1)^{-1} + 1/3$



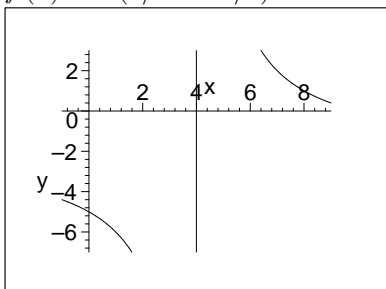
124.  $f(x) = -\cot(x) + 3/2$



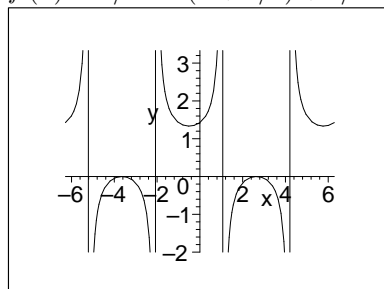
128.  $f(x) = (x + 2)^2 - 4$



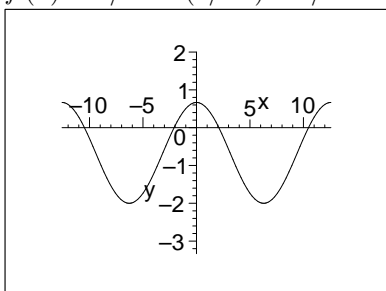
129.  $f(x) = 4(1/3x - 4/3)^{-1} - 2$



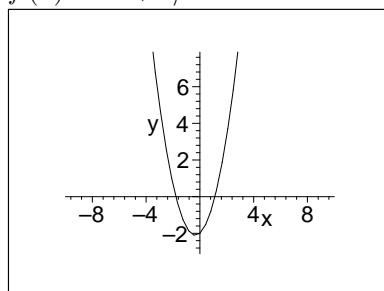
133.  $f(x) = 2/3 \sec(x + 1/2) + 2/3$



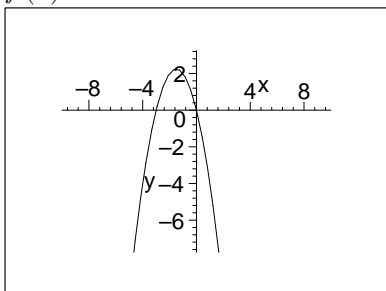
130.  $f(x) = 4/3 \cos(1/2x) - 2/3$



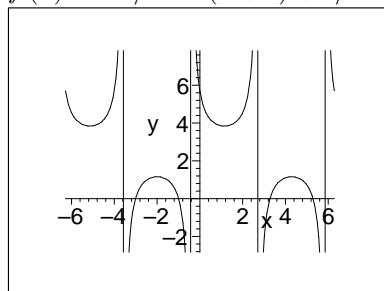
134.  $f(x) = x^2 + 2/3x - 2$



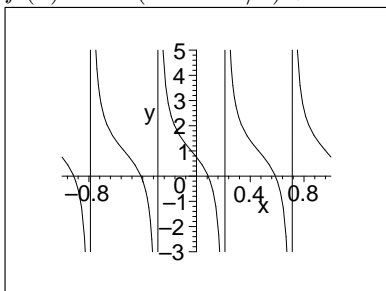
131.  $f(x) = -x^2 - 3x$



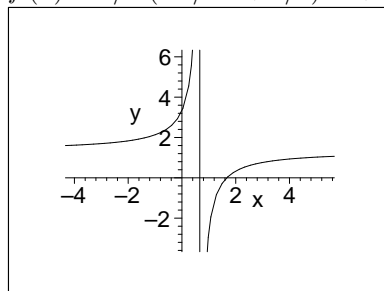
135.  $f(x) = -4/3 \sec(x + 2) + 5/2$



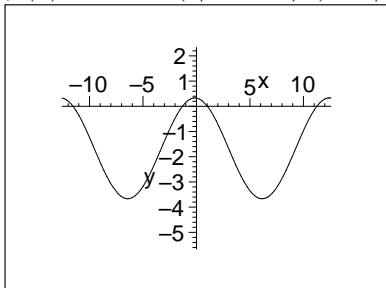
132.  $f(x) = \cot(2\pi x - 4/3) + 1$



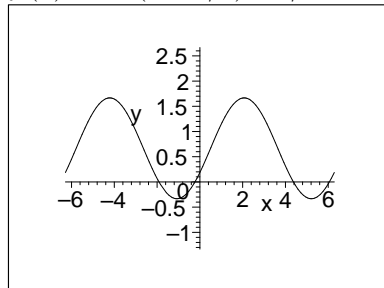
136.  $f(x) = 2/3(-1/2x + 1/3)^{-1} + 4/3$



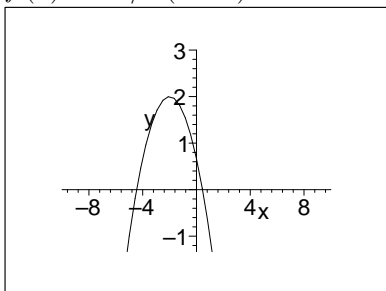
137.  $f(x) = -2 \sin(1/2 x - 3/2) - 5/3$



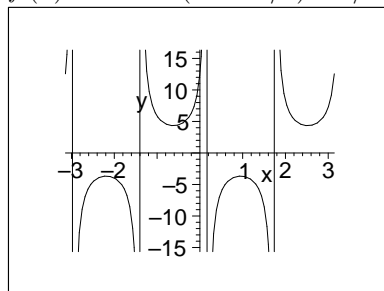
141.  $f(x) = \sin(x - 1/2) + 2/3$



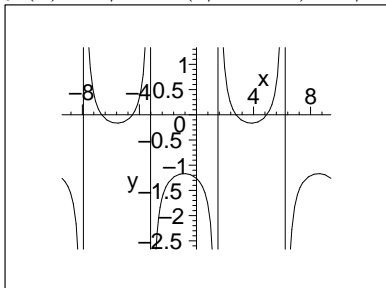
138.  $f(x) = -1/3 (x + 2)^2 + 2$



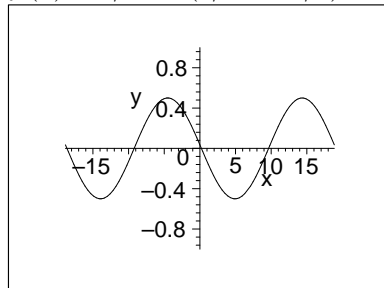
142.  $f(x) = -4 \csc(2x - 1/3) + 1/3$



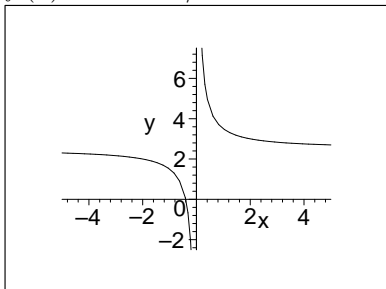
139.  $f(x) = 1/2 \csc(2/3 x - 1) - 2/3$



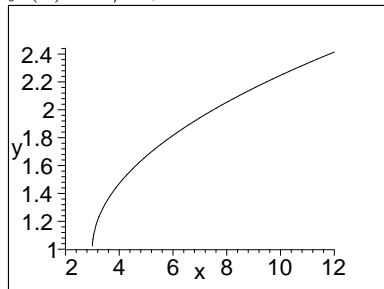
143.  $f(x) = 1/2 \cos(1/3 x + 3/2)$



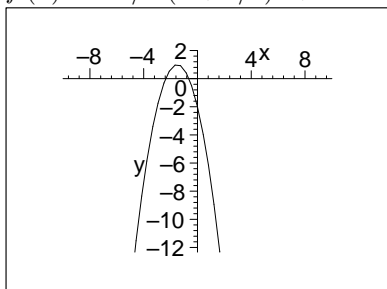
140.  $f(x) = x^{-1} + 5/2$



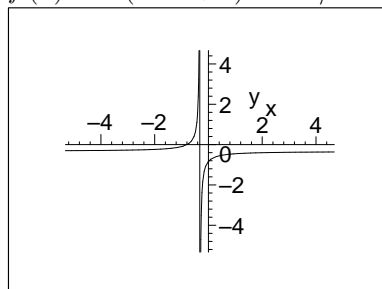
144.  $f(x) = 1/3 \sqrt{2x - 6} + 1$



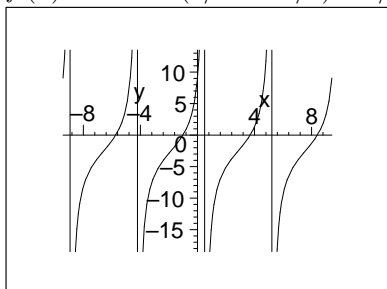
145.  $f(x) = -4/3 (x + 3/2)^2 + 1$



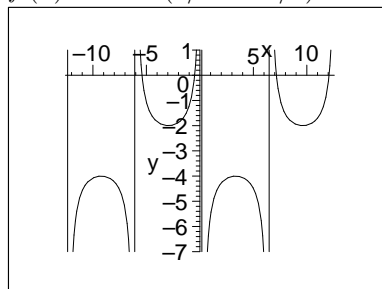
149.  $f(x) = -(2\pi x + 2)^{-1} - 1/3$



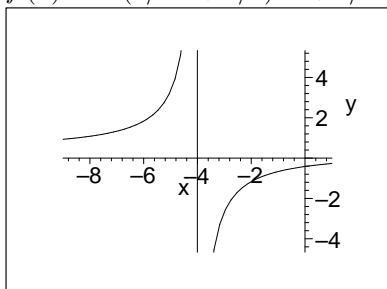
146.  $f(x) = -4 \cot(2/3 x - 1/3) - 5/2$



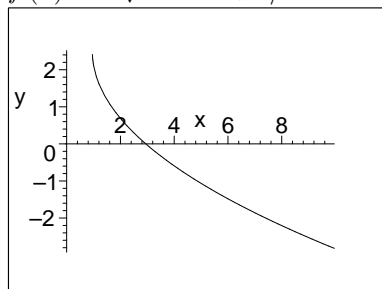
150.  $f(x) = -\sec(1/2 x - 5/3) - 3$



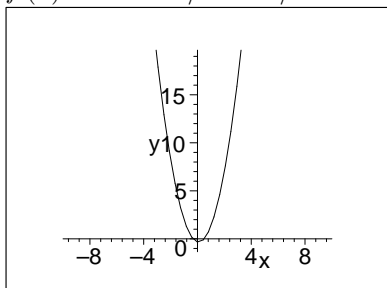
147.  $f(x) = -(1/3 x + 4/3)^{-1} + 1/3$



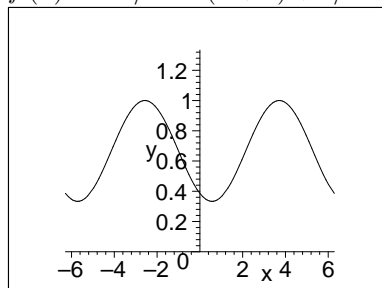
151.  $f(x) = -\sqrt{\pi x - 3} + 5/2$



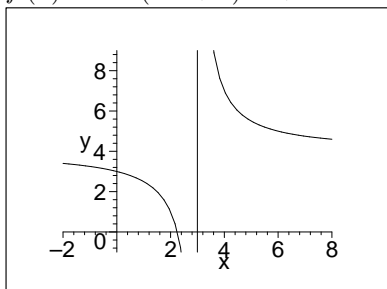
148.  $f(x) = 2x^2 - 1/3 x - 1/3$



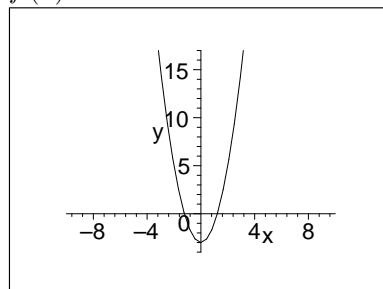
152.  $f(x) = -1/3 \sin(x + 1) + 2/3$



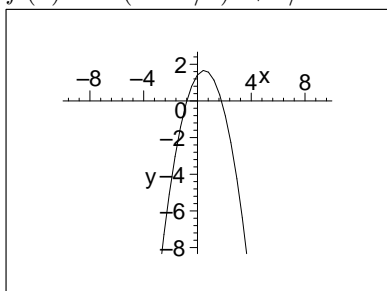
153.  $f(x) = -3(-x + 3)^{-1} + 4$



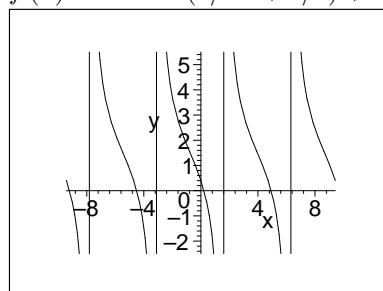
157.  $f(x) = 2x^2 - 3$



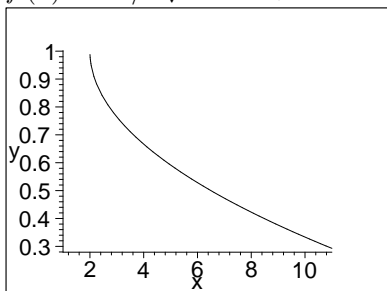
154.  $f(x) = -(x - 1/2)^2 + 5/3$



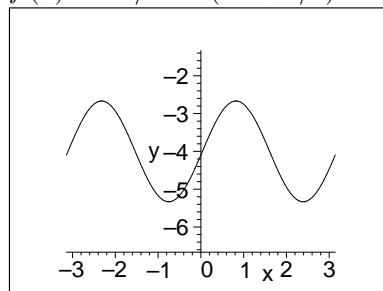
158.  $f(x) = -2 \tan(2/3 x + 1/2) + 3/2$



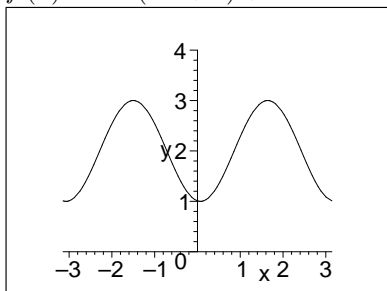
155.  $f(x) = -1/6 \sqrt{2x - 4} + 1$



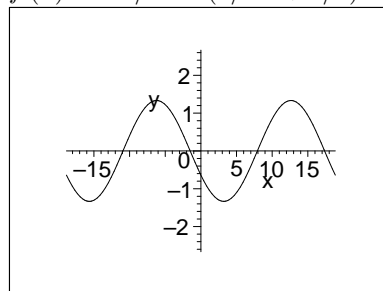
159.  $f(x) = -4/3 \cos(2x + 3/2) - 4$



156.  $f(x) = \cos(2x + 3) + 2$

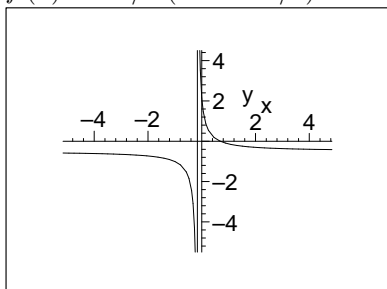


160.  $f(x) = -4/3 \sin(1/3 x + 1/2)$

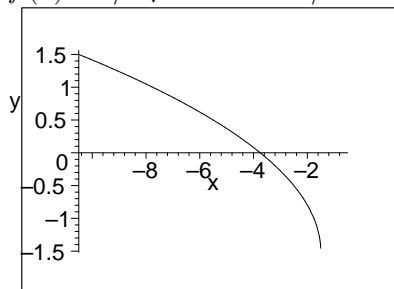




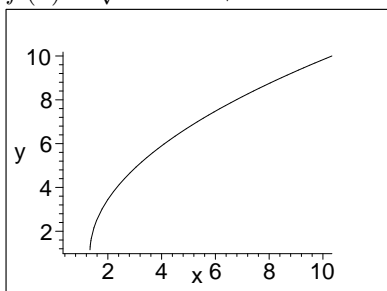
161.  $f(x) = -4/3 (-\pi x - 1/2)^{-1} - 1/2$



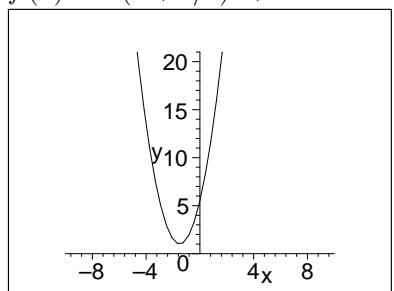
165.  $f(x) = 1/2 \sqrt{-4x - 6} - 3/2$



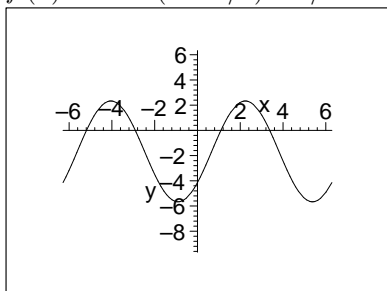
162.  $f(x) = \sqrt{9x - 12} + 1$



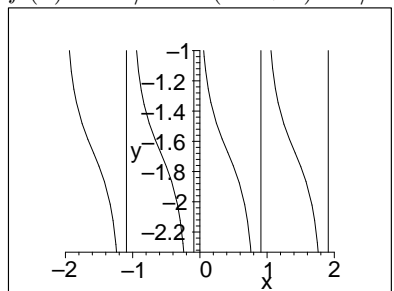
166.  $f(x) = 2(x + 3/2)^2 + 1$



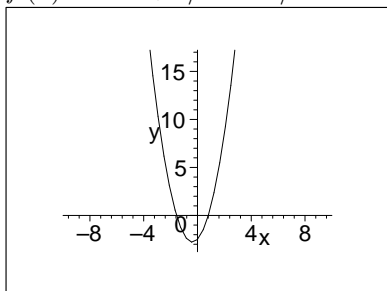
163.  $f(x) = 4 \sin(x - 2/3) - 5/3$



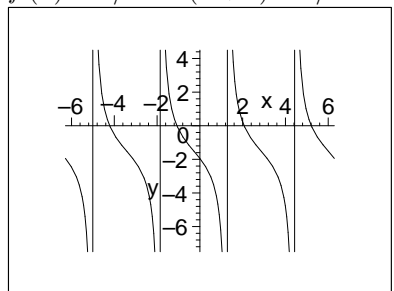
167.  $f(x) = -1/3 \tan(\pi x + 5) - 5/3$



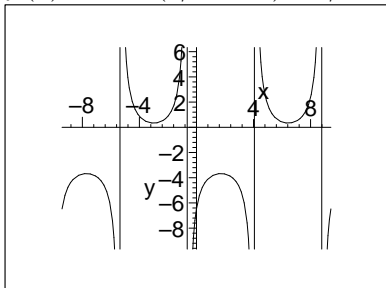
164.  $f(x) = 2x^2 + 3/2x - 5/2$



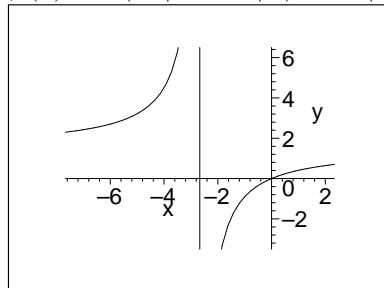
168.  $f(x) = 3/2 \cot(x + 5) - 3/2$



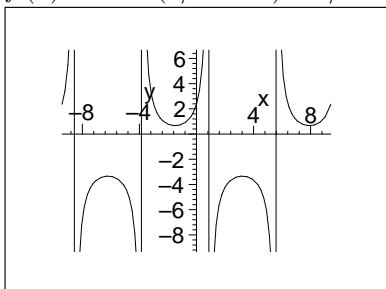
169.  $f(x) = 2 \sec(2/3x + 2) - 5/3$



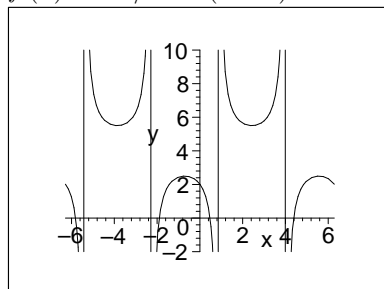
173.  $f(x) = 2(-1/2x - 4/3)^{-1} + 3/2$



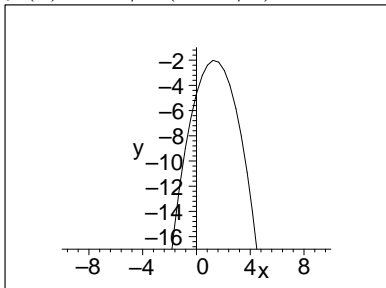
170.  $f(x) = 2 \sec(2/3x + 1) - 4/3$



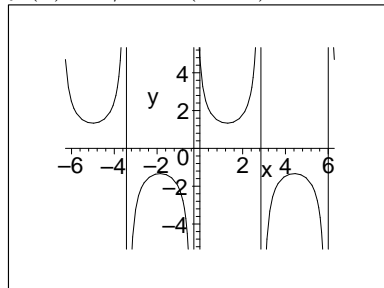
174.  $f(x) = -3/2 \csc(x - 4) + 4$



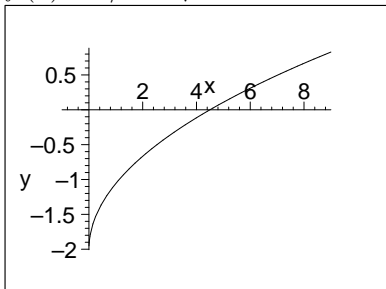
171.  $f(x) = -3/2(x - 4/3)^2 - 2$



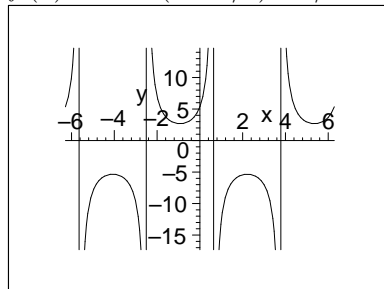
175.  $f(x) = 4/3 \sec(x + 5)$



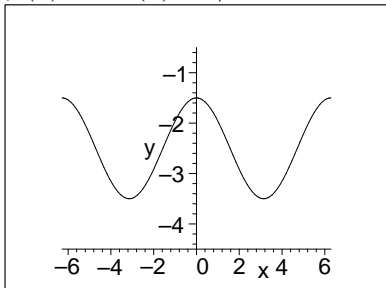
172.  $f(x) = 2/3\sqrt{2}\sqrt{x} - 2$



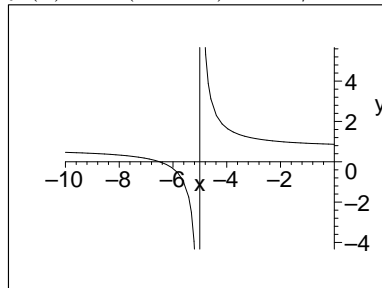
176.  $f(x) = 4 \csc(x + 5/2) - 4/3$



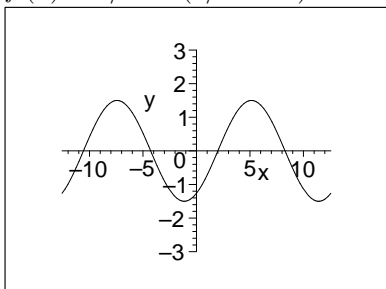
177.  $f(x) = \cos(x) - 5/2$



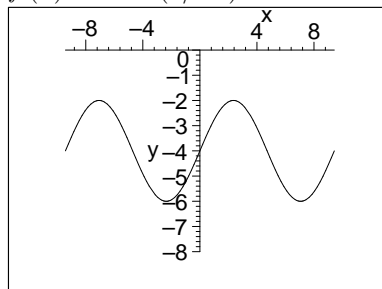
181.  $f(x) = -(-x - 5)^{-1} + 2/3$



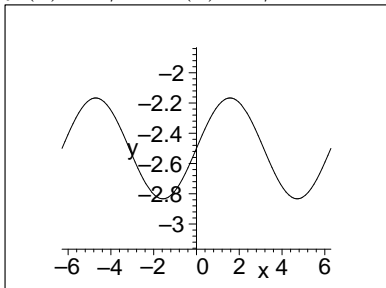
178.  $f(x) = 3/2 \sin(1/2 x - 1)$



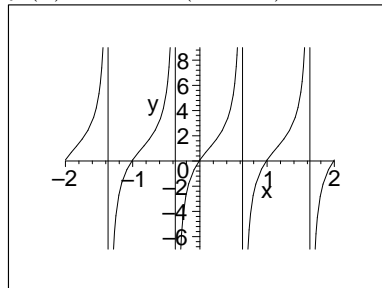
182.  $f(x) = 2 \sin(2/3 x) - 4$



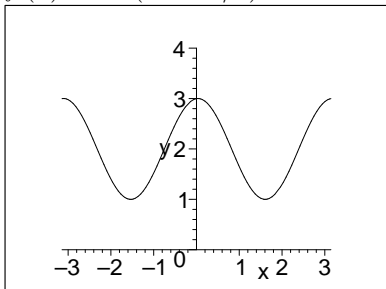
179.  $f(x) = 1/3 \sin(x) - 5/2$



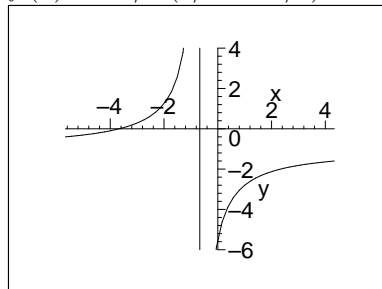
183.  $f(x) = -2 \cot(\pi x - 2) + 1$



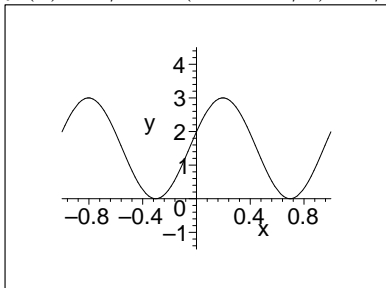
180.  $f(x) = \sin(2x + 3/2) + 2$



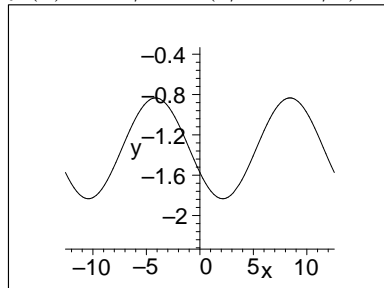
184.  $f(x) = -3/2 (1/2 x + 1/3)^{-1} - 1$



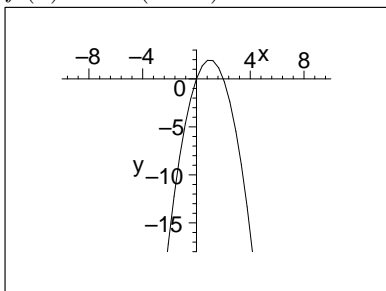
185.  $f(x) = 3/2 \sin(2\pi x + 1/3) + 3/2$



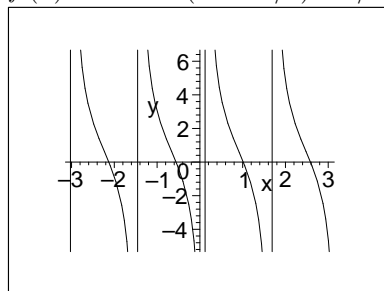
189.  $f(x) = -1/2 \sin(1/2 x + 1/2) - 4/3$



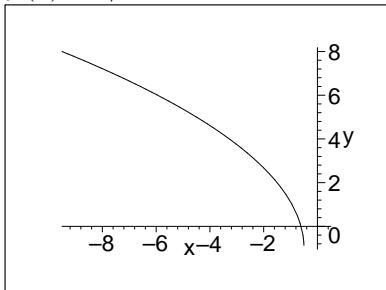
186.  $f(x) = -2(x-1)^2 + 2$



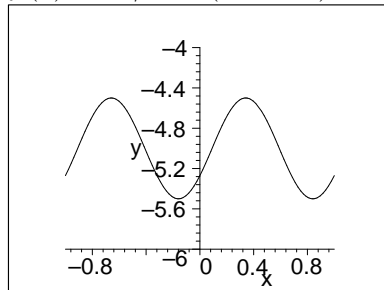
190.  $f(x) = -3 \tan(2x + 4/3) + 2/3$



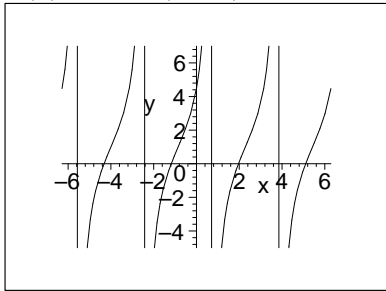
187.  $f(x) = 3/2 \sqrt{-4x-2} - 1$



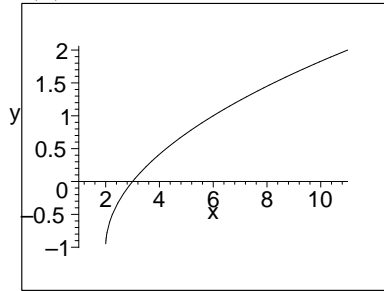
191.  $f(x) = -1/2 \cos(2\pi x + 1) - 5$



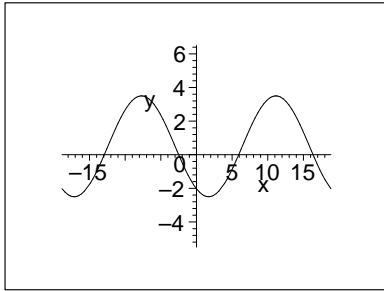
188.  $f(x) = 3 \tan(x + 4) + 1$



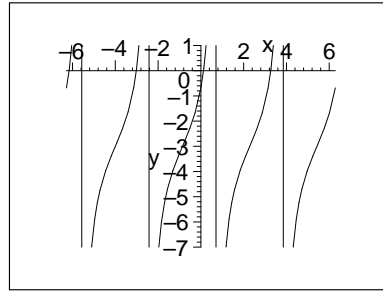
192.  $f(x) = \sqrt{x-2} - 1$



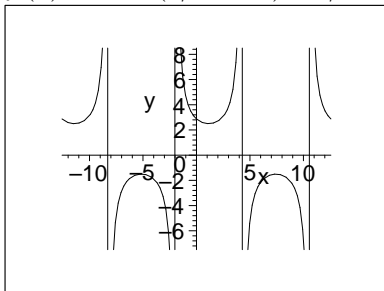
193.  $f(x) = -3 \sin(1/3 x + 1) + 1/2$



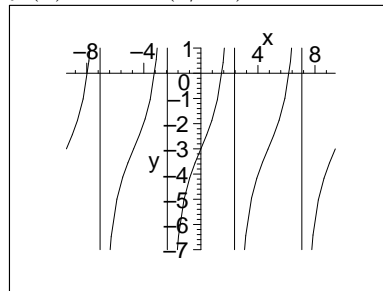
197.  $f(x) = 2 \tan(x + 4) - 3$



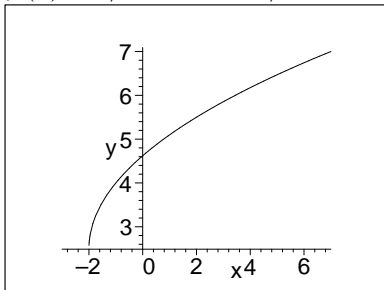
194.  $f(x) = 2 \csc(1/2 x + 1) + 1/2$



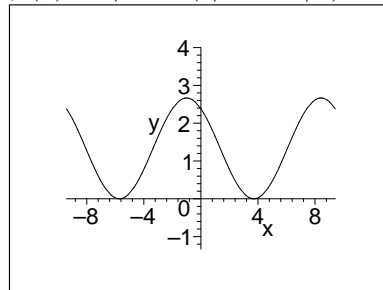
198.  $f(x) = 2 \tan(2/3 x) - 3$



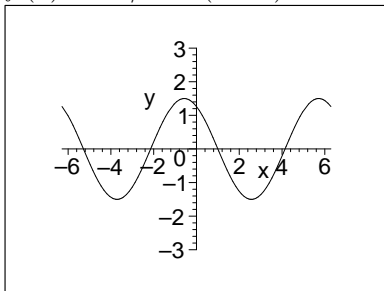
195.  $f(x) = 3/2 \sqrt{x+2} + 5/2$



199.  $f(x) = 4/3 \cos(2/3 x + 2/3) + 4/3$



196.  $f(x) = -3/2 \sin(x - 1)$



200.  $f(x) = -1/3 \sec(1/3 x + 1) - 5/3$

