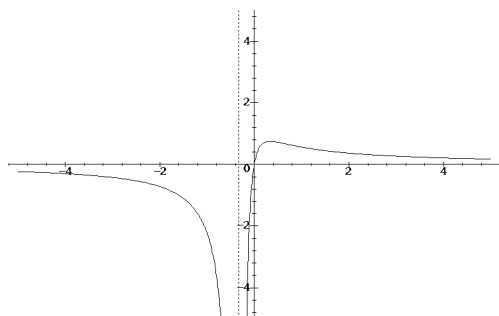
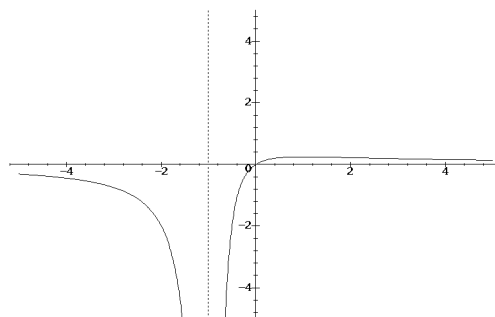


13.



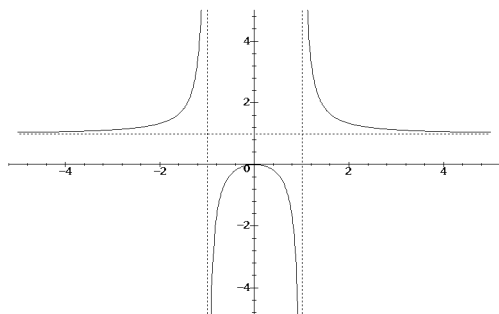
$x$ -intercepts	$(0, 0)$
$y$ -intercept	$(0, 0)$
H.A.	$y = 0$
V.A.	$x = -\frac{1}{3}$
Increasing on	$(-\frac{1}{3}, \frac{1}{3})$
Decreasing on	$(-\infty, -\frac{1}{3}), (\frac{1}{3}, \infty)$
Concave up on	$(\frac{2}{3}, \infty)$
Concave down on	$(-\infty, -\frac{1}{3}), (-\frac{1}{3}, \frac{2}{3})$
Rel. Max. at	$(\frac{1}{3}, \frac{2}{3})$
Rel. Min. at	none
Inflection pt. at	$(\frac{2}{3}, \frac{2}{3})$



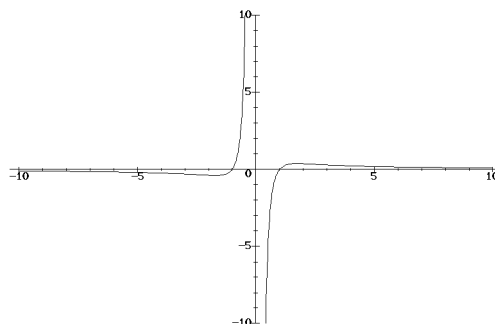
$x$ -intercepts	$(0, 0)$
$y$ -intercept	$(0, 0)$
H.A.	$y = 0$
V.A.	$x = -1$
Increasing on	$(-1, 1)$
Decreasing on	$(-\infty, -1), (1, \infty)$
Concave up on	$(2, \infty)$
Concave down on	$(-\infty, -1), (-1, 2)$
Rel. Max. at	$(1, \frac{1}{4})$
Rel. Min. at	none
Inflection pt. at	$(2, \frac{2}{9})$

16.

14.

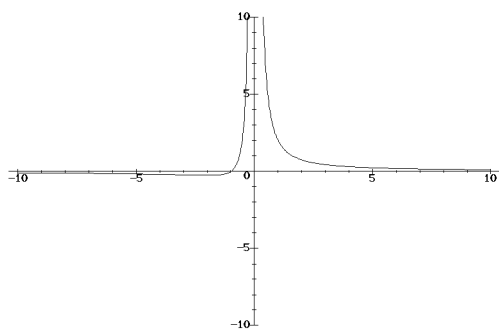


$x$ -intercepts	$(0, 0)$
$y$ -intercept	$(0, 0)$
H.A.	$y = 1$
V.A.	$x = \pm 1$
Increasing on	$(-\infty, -1), (-1, 0)$
Decreasing on	$(0, 1), (1, \infty)$
Concave up on	$(-\infty, -1), (1, \infty)$
Concave down on	$(-1, 1)$
Rel. Max. at	$(0, 0)$
Rel. Min. at	none
Inflection pt. at	none



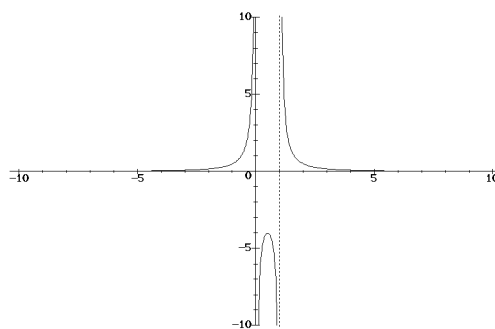
$x$ -intercepts	$(\pm 1, 0)$
$y$ -intercept	none
H.A.	$y = 0$
V.A.	$x = 0$
Increasing on	$(-\sqrt{3}, 0), (0, \sqrt{3})$
Decreasing on	$(-\infty, -\sqrt{3}), (\sqrt{3}, \infty)$
Concave up on	$(-\sqrt{6}, 0), (\sqrt{6}, \infty)$
Concave down on	$(-\infty, -\sqrt{6}), (0, \sqrt{6})$
Rel. Max. at	$(\sqrt{3}, \frac{2}{3\sqrt{3}})$
Rel. Min. at	$(-\sqrt{3}, -\frac{2}{3\sqrt{3}})$
Inflection pt. at	$(-\sqrt{6}, -\frac{5}{6\sqrt{6}}); (\sqrt{6}, \frac{5}{6\sqrt{6}})$

17.



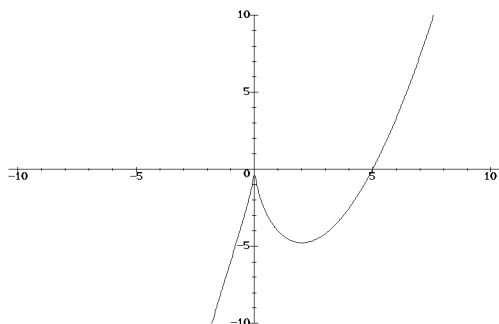
$x$ -intercepts	$(-1, 0)$
$y$ -intercept	none
H.A.	$y = 0$
V.A.	$x = 0$
Increasing on	$(-2, 0)$
Decreasing on	$(-\infty, -2), (0, \infty)$
Concave up on	$(-3, 0), (0, \infty)$
Concave down on	$(-\infty, -3)$
Rel. Max. at	none
Rel. Min. at	$(-2, -\frac{1}{4})$
Inflection pt. at	$(-3, -\frac{2}{9})$

19.



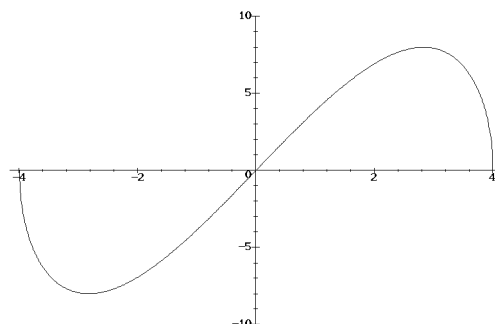
$x$ -intercepts	none
$y$ -intercept	none
H.A.	$y = 0$
V.A.	$x = 0; x = 1$
Increasing on	$(-\infty, 0), (0, \frac{1}{2})$
Decreasing on	$(\frac{1}{2}, 1), (1, \infty)$
Concave up on	$(-\infty, 0), (1, \infty)$
Concave down on	$(0, 1)$
Rel. Max. at	$(\frac{1}{2}, -4)$
Rel. Min. at	none
Inflection pt. at	none

18.



$x$ -intercepts	$(0, 0); (5, 0)$
$y$ -intercept	$(0, 0)$
H.A.	none
V.A.	none
Increasing on	$(-\infty, 0), (2, \infty)$
Decreasing on	$(0, 2)$
Concave up on	$(-1, 0), (0, \infty)$
Concave down on	$(-\infty, -1)$
Rel. Max. at	$(0, 0)$
Rel. Min. at	$(2, -3\sqrt[3]{4})$
Inflection pt. at	$(-1, -6)$

20.



$x$ -intercepts	$(0, 0); (\pm 4, 0)$
$y$ -intercept	$(0, 0)$
H.A.	none
V.A.	none
Increasing on	$(-\sqrt{8}, \sqrt{8})$
Decreasing on	$(-4, -\sqrt{8}), (\sqrt{8}, 4)$
Concave up on	$(-4, 0)$
Concave down on	$(0, 4)$
Rel. Max. at	$(\sqrt{8}, 8)$
Rel. Min. at	$(-\sqrt{8}, -8)$
Inflection pt. at	$(0, 0)$