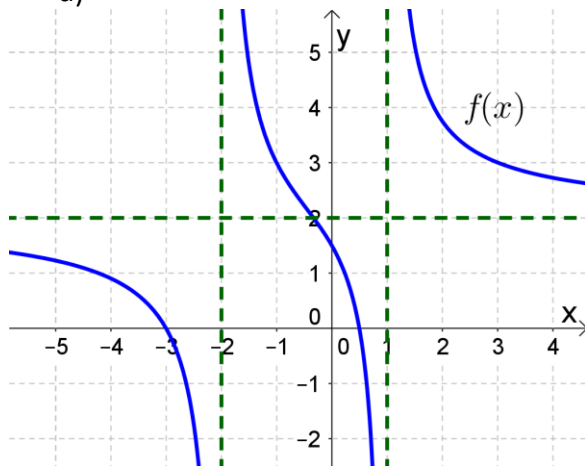


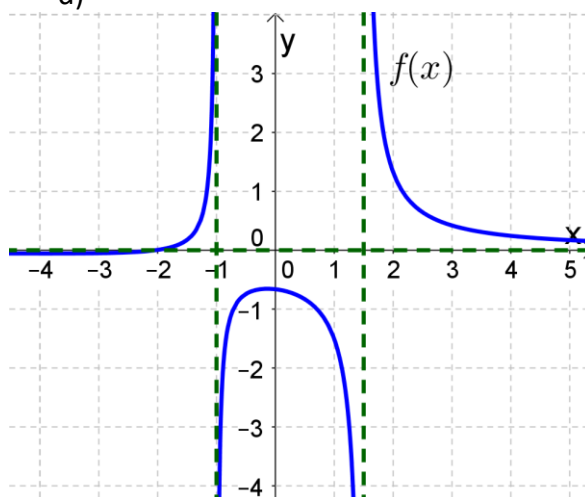
1.

- a) $\{x \mid x \neq -2, 1\}$ or $(-\infty, -2) \cup (-2, 1) \cup (1, \infty)$
 b) x-intercepts: $x = \frac{1}{2}$ and $x = -3$; y-intercept: $y = \frac{3}{2}$
 c) Vertical asymptotes: $x = -2, x = 1$; Horizontal asymptote: $y = 2$; Slant asymptote: none
 d)



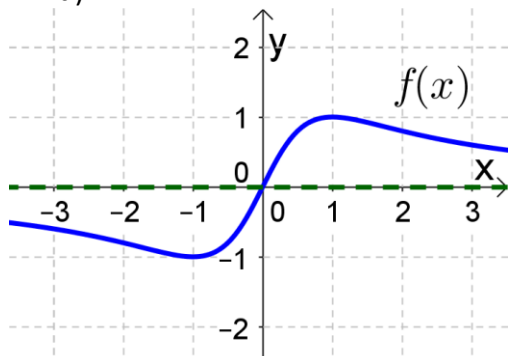
2.

- a) $\{x \mid x \neq -1, \frac{3}{2}\}$ or $(-\infty, -1) \cup (-1, \frac{3}{2}) \cup (\frac{3}{2}, \infty)$
 b) x-intercepts: $x = -2$; y-intercept: $y = -\frac{2}{3}$
 c) Vertical asymptotes: $x = -1$ and $x = \frac{3}{2}$; Horizontal asymptote: $y = 0$; Slant asymptote: none
 d)



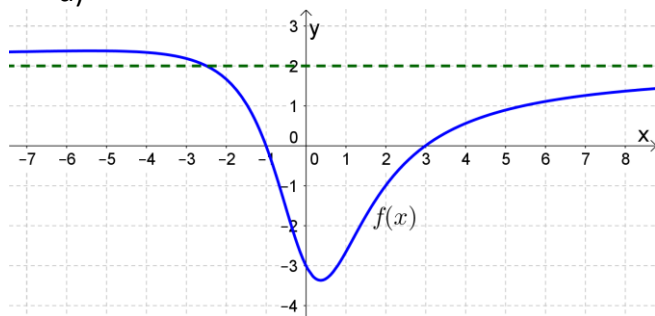
3.

- a) \mathbb{R} or $(-\infty, \infty)$
 b) x -intercept: $x = 0$; y -intercept: $y = 0$
 c) Vertical asymptotes: none; Horizontal asymptote: $y = 0$; Slant asymptote: none
 d)



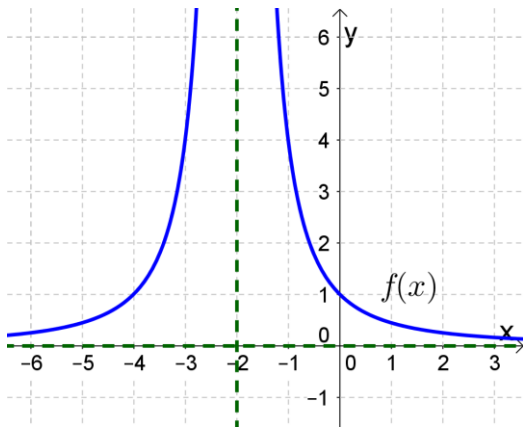
4.

- a) \mathbb{R} or $(-\infty, \infty)$
 b) x -intercepts: $x = -1$ and $x = 3$; y -intercept: $y = -3$
 c) Vertical asymptotes: none; Horizontal asymptote: $y = 2$; Slant asymptote: none
 d)



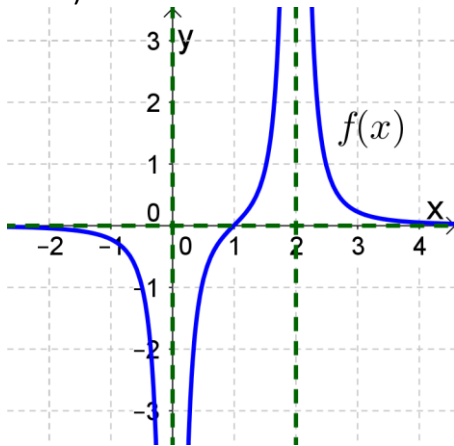
5.

- a) $\{x|x \neq -2\}$ or $(-\infty, -2) \cup (-2, \infty)$
 b) x -intercept: none; y -intercept: $y = 1$
 c) Vertical asymptote: $x = -2$; Horizontal asymptote: $y = 0$; Slant asymptote: none
 d)



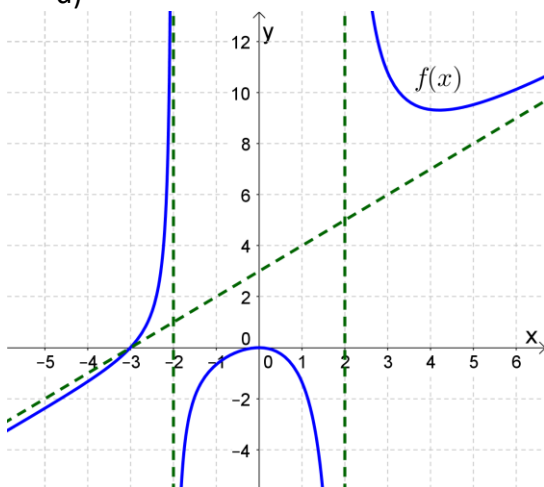
6.

- a) $\{x|x \neq 0, 2\}$ or $(-\infty, 0) \cup (0, 2) \cup (2, \infty)$
 b) x-intercept: $x = 1$; y-intercept: none
 c) Vertical asymptotes: $x = 0$ and $x = 2$; Horizontal asymptote: $y = 0$; Slant asymptote: none
 d)



7.

- a) $\{x|x \neq \pm 2\}$ or $(-\infty, -2) \cup (-2, 2) \cup (2, \infty)$
 b) x-intercepts: $x = 0$ and $x = -3$; y-intercept: $y = 0$
 c) Vertical asymptotes: $x = -2$ and $x = 2$; Horizontal asymptote: none; Slant asymptote: $y = x + 3$
 d)



8.

a) $\{x|x \neq -1, 2\}$ or $(-\infty, -1) \cup (-1, 2) \cup (2, \infty)$

b) x-intercept: $x = 1$; y-intercept: $y = \frac{1}{2}$

c) Vertical asymptotes: $x = -1$ and $x = 2$; Horizontal asymptote: none; Slant asymptote: $y = x + 1$

d)

