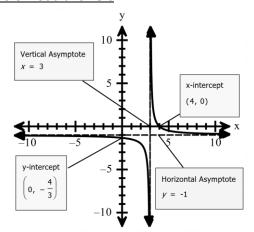
SM3 6.1 odd answers

1.



3. x-intercept(s): (1,0)

y-itnercept: (0, 0.5) estimate

Vertical Asymptote(s): x = 2

 $\mbox{ Horizontal Asymptote: } y=1$

Domain: $(-\infty, 2) \cup (2, \infty)$

Range: $(-\infty, 1) \cup (1, \infty)$

5. *x*-intercept(s): DNE

y-itnercept: (0,2)

Vertical Asymptote(s): x = -1, x = 2

Horizontal Asymptote: y = 0

Domain: $(-\infty, -1) \cup (-1, 2) \cup (2, \infty)$

Range: $(-\infty, 0) \cup (1.5, \infty)$ estimate

- 7. $\lim_{x \to \infty} f(x) = 0 \quad \lim_{x \to -\infty} f(x) = 0$
- 9. They are the same number.
- 11. *x*-intercept: none

inc: $(-3, \infty)$

Dec: $(-\infty, -3)$

Pos: none

Neg: $(-\infty, -3) \cup (-3, \infty)$

 $\lim_{x \to \infty} f(x) = -2 \qquad \lim_{x \to -\infty} f(x) = -2$

Vertical Asymptote(s): x = -3

Horizontal Asymptote: y = -2