

Fill in the following information and sketch a graph.

Domain:

Holes:

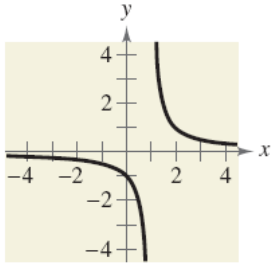
VA:

HA:

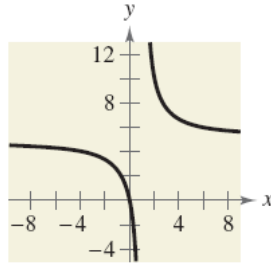
SA:

Table of Values (at least 2 per section)

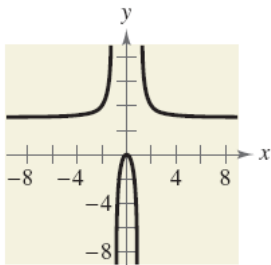
$$1. f(x) = \frac{1}{x-1}$$



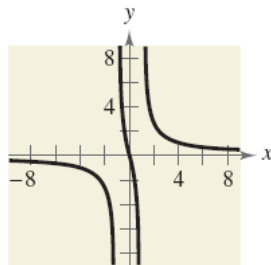
$$2. f(x) = \frac{5x}{x-1}$$



$$3. f(x) = \frac{3x^2}{x^2-1}$$



$$4. f(x) = \frac{4x}{x^2-1}$$



$$24. f(x) = \frac{x^2 - 4}{x^2 - 3x + 2}$$

$$29. h(x) = \frac{-1}{x+2}$$

$$33. f(x) = \frac{x^2}{x^2 + 9}$$

$$38. g(x) = \frac{x^2 - 2x - 8}{x^2 - 9}$$

$$41. f(x) = \frac{x^2 + 3x}{x^2 + x - 6}$$

$$43. f(x) = \frac{2x^2 - 5x + 2}{2x^2 - x - 6}$$

$$45. f(t) = \frac{t^2 - 1}{t + 1}$$

$$46. f(x) = \frac{x^2 - 16}{x - 4}$$

$$55. g(x) = \frac{x^2 + 1}{x}$$

$$63. f(x) = \frac{2x^3 - x^2 - 2x + 1}{x^2 + 3x + 2}$$

$$64. f(x) = \frac{2x^3 + x^2 - 8x - 4}{x^2 - 3x + 2}$$

$$65. f(x) = \frac{x^2 + 5x + 8}{x + 3}$$

$$66. f(x) = \frac{2x^2 + x}{x + 1}$$