

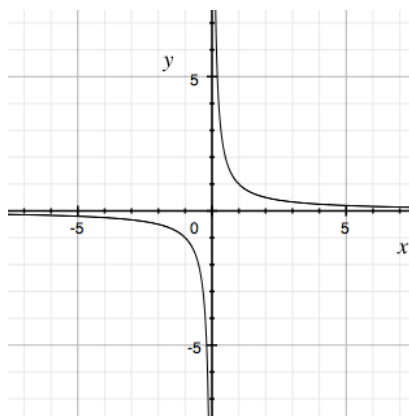
Number:

Textbook Section:

Title:

Consider $f(x) = \frac{x^2 + 5x + 6}{x + 3}$

$$y = \frac{1}{x}$$



Step 1:

Step 2:

Step 3:

Step 4:

Find the domain, vertical asymptote(s) and intercept(s) of each function.

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

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

3. $R(x) = \frac{3(x^2-x-6)}{4(x^2-9)}$

4. $H(x) = \frac{-2}{x+1}$

5. $r(x) = \frac{x^2-4x-5}{x-3}$