

Topic 9.1
Graphing Rational Functions
Homework

Name: _____

Date: _____

State the vertical and horizontal asymptotes for each rational function.

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

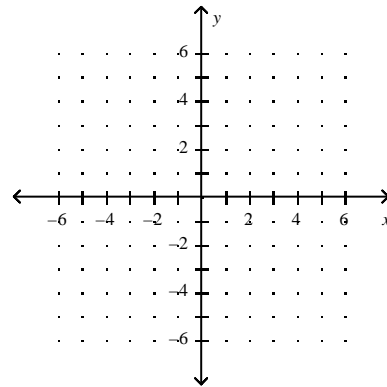
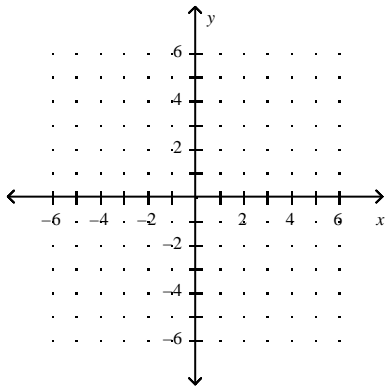
2. $f(x) = \frac{x+1}{2x+8}$

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

Graph each rational function.

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

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



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

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

