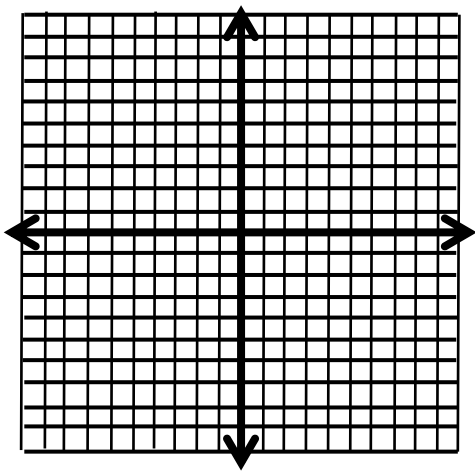


Worksheet #2 Lesson 5.4

Identify the zeros, vertical asymptotes, horizontal asymptotes, and hole(s) of each function. Then graph each function on the coordinate grid.

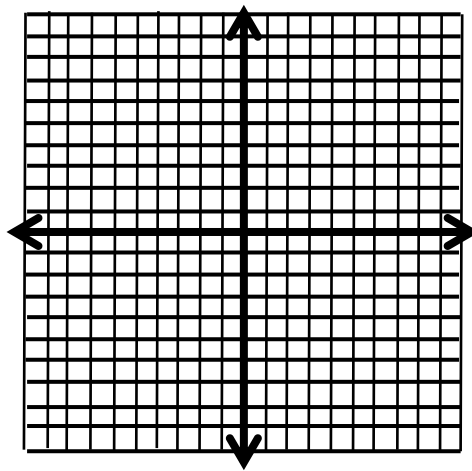
1. $f(x) = \frac{x+3}{x-2}$

Zeros: _____
 VA: _____
 HA: _____
 Holes: _____



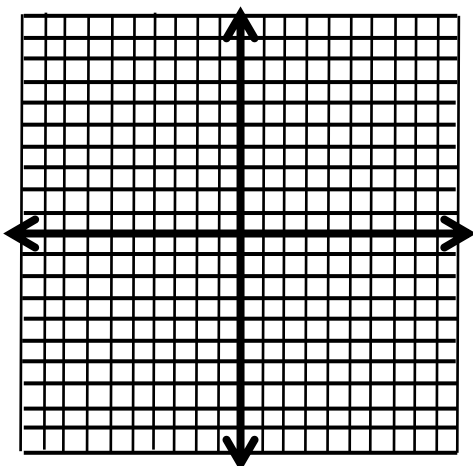
2. $f(x) = \frac{x^2-x-6}{x^2-2x-8}$

Zeros: _____
 VA: _____
 HA: _____
 Holes: _____



3. $f(x) = \frac{x^2-6x+8}{x^2-3x}$

Zeros: _____
 VA: _____
 HA: _____
 Holes: _____



4. $f(x) = \frac{-3x-6}{x+1}$

Zeros: _____
 VA: _____
 HA: _____
 Holes: _____

