

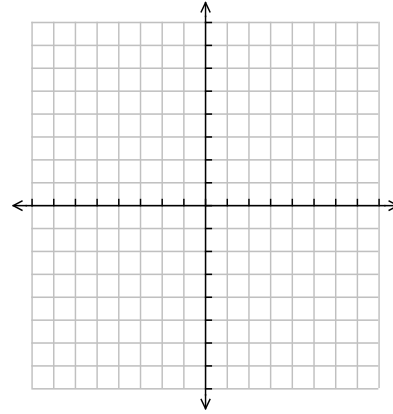
Secondary Math III
Graphing Rational Functions
Assignment 5.7

Name _____
 Period _____

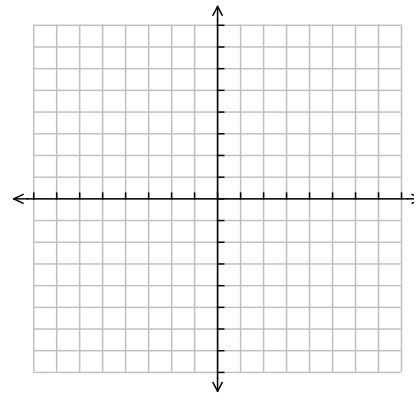
Graph the rational functions:

Draw asymptotes as dashed lines, plot holes as open circles and other points as closed circles.

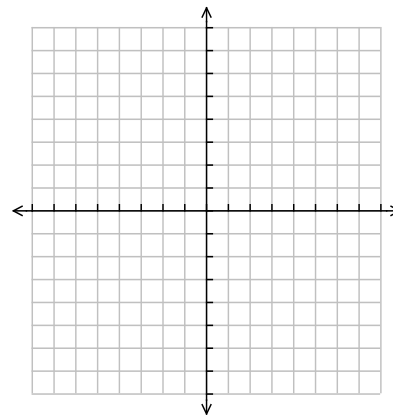
1. $y = \frac{1}{x-2}$
- VA: _____
- HA: _____
- Hole: _____
- Intercepts: _____
- Add. Pts. _____



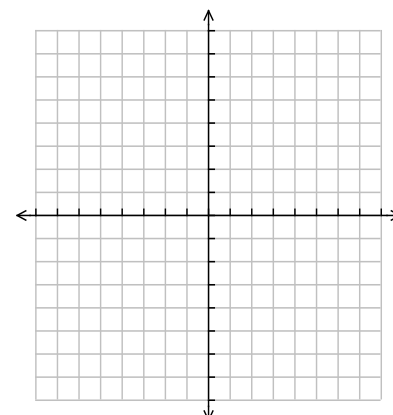
2. $f(x) = \frac{x+2}{x^2-4}$
- VA: _____
- HA: _____
- Hole: _____
- Intercepts: _____
- Add. Pts. _____



3. $y = \frac{x+1}{x+3}$
- VA: _____
- HA: _____
- Hole: _____
- Intercepts: _____
- Add. Pts. _____



4. $g(x) = \frac{2x^2-6x}{x^2-2x-3}$
- VA: _____
- HA: _____
- Hole: _____
- Intercepts: _____
- Add. Pts. _____



5. $y = \frac{2}{x^2 - 9}$

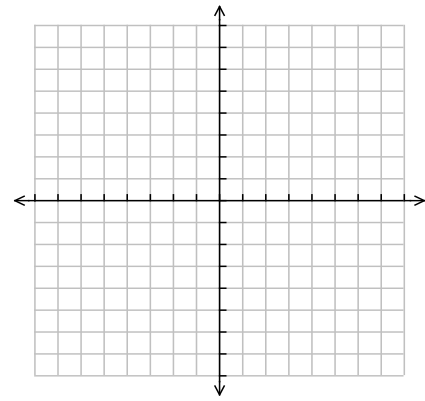
VA: _____

HA: _____

Hole: _____

Intercepts: _____

Add. Pts. _____



6. $f(x) = \frac{1}{x^2 + x - 6}$

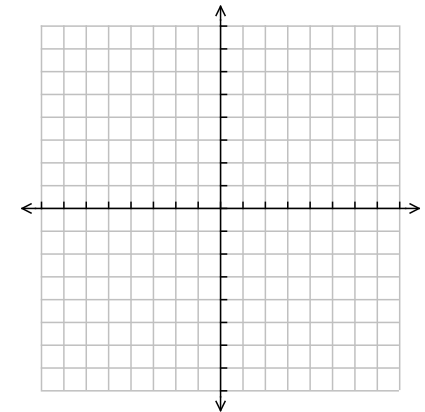
VA: _____

HA: _____

Hole: _____

Intercepts: _____

Add. Pts. _____



7. $y = \frac{x-1}{x^2+x-2}$

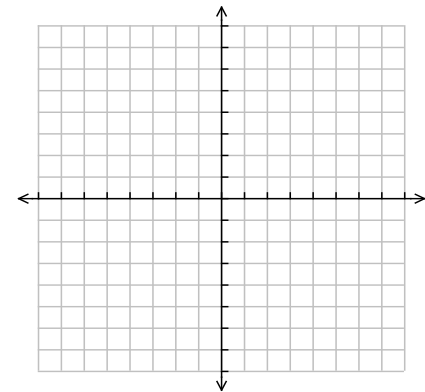
VA: _____

HA: _____

Hole: _____

Intercepts: _____

Add. Pts. _____



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

VA: _____

HA: _____

Hole: _____

Intercepts: _____

Add. Pts. _____

