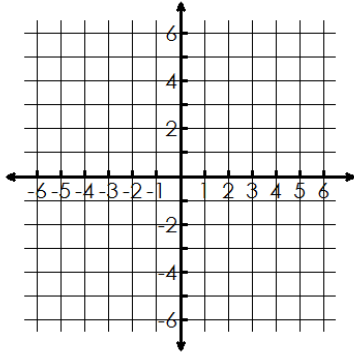1. $f(x) = \dfrac{3x-4}{x-2}$

Domain: _____ Range: _____

VA: _____ HA: _____ Slant: _____

x-int: _____ y-int: _____ Holes: _____

inc: _____ dec: _____
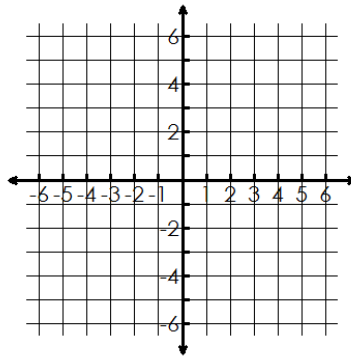

2. $f(x) = \dfrac{x^2 - 5x + 6}{x+3}$

Domain: _____ Range: _____

VA: _____ HA: _____ Slant: _____

x-int: _____ y-int: _____ Holes: _____

inc: _____ dec: _____
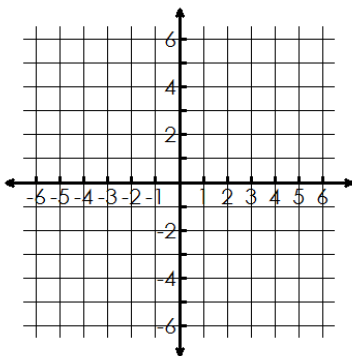

3. $f(x) = \dfrac{2x-1}{x+3}$

Domain: _____ Range: _____

VA: _____ HA: _____ Slant: _____

x-int: _____ y-int: _____ Holes: _____

inc: _____ dec: _____

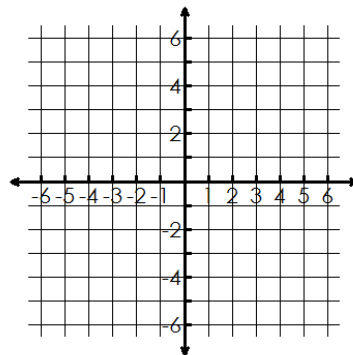
4. $f(x) = \dfrac{2x^2 + 3x - 2}{x^2 - 9}$

Domain: _____ Range: _____

VA: _____ HA: _____ Slant: _____

x-int: _____ y-int: _____ Holes: _____

inc: _____ dec: _____
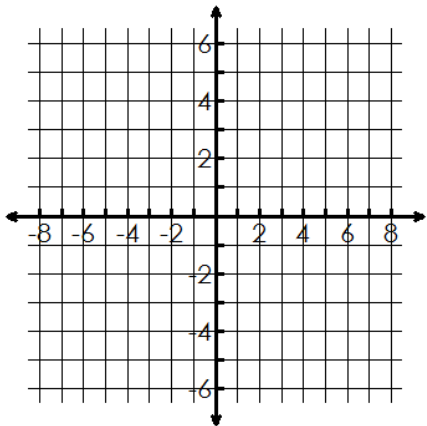
5. $f(x) = \dfrac{x^2 + x - 2}{x^2 - 2x + 1}$

Domain: _____ Range: _____

VA: _____ HA: _____ Slant: _____

x-int: _____ y-int: _____ Holes: _____

inc: _____ dec: _____
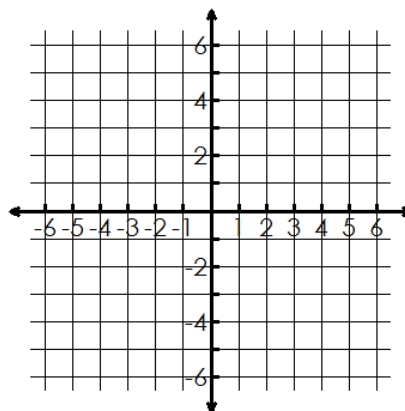
6. $f(x) = \dfrac{x^2 - x}{x + 1}$

Domain: _____ Range: _____

VA: _____ HA: _____ Slant: _____

x-int: _____ y-int: _____ Holes: _____

inc: _____ dec: _____

7. Write a rational equation with vertical asymptotes of $x = 1, x = -2$.

8. Write a rational equation with no vertical asymptotes and a horizontal asymptote of $y = 0$.

9. Write a rational equation with vertical asymptotes of

$$x = 0, x = \frac{5}{2}$$

and horizontal asymptote of $y = 2$.

10. Write a rational equation with vertical asymptote of $x = -1$

a horizontal asymptote of $y = 2$

and a zero at $x = 3$.

11. Write an equation for graph.