Name_____ Date_____ Period_____

Graphing Rational Functions Worksheet 2

Find the VA and HA of the following:

1. $\frac{x^2+4x-5}{x^2+9x+20}$

VA_____

HA_____

2. $\frac{x^2-9}{x+3}$

VA_____

HA_____

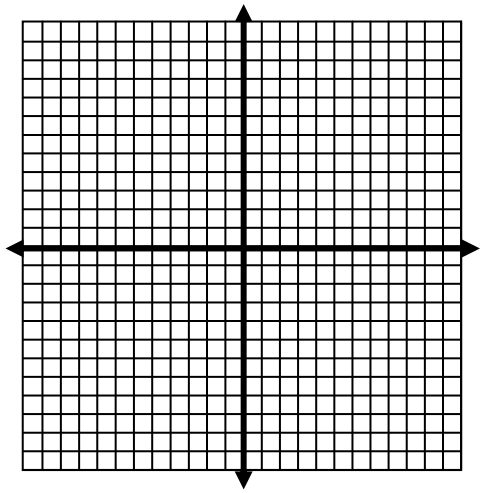
3. $\frac{x+6}{2x^2+9x-18}$

VA_____

HA_____

Graph each equation and fill in all the blanks.

4. $y=\frac{3}{x+2}$



Domain_____

VA_____

Holes_____

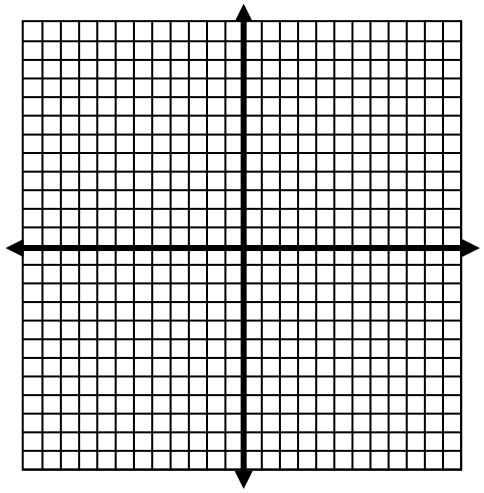
x-int_____

y-int_____

HA_____

Continuous/Discontinuous_____

5. $y=\frac{x^2-9}{x-3}$



Domain_____

VA_____

Holes_____

x-int_____

y-int_____

HA_____

Continuous/Discontinuous_____

6. $y = \dfrac{x^2 - 2x - 3}{x - 2}$

Domain_____

VA_____

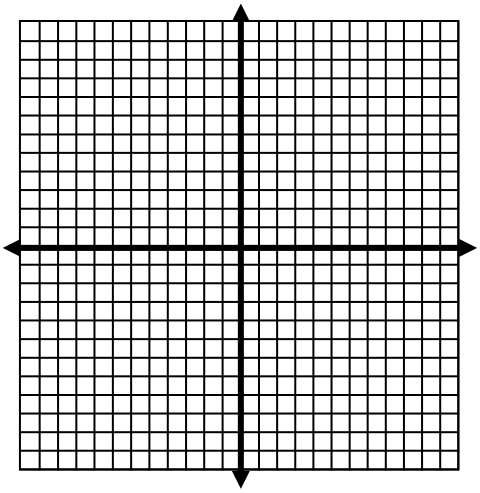
Holes_____

x-int_____

y-int_____

HA_____

Continuous/Discontinuous_____



7. $y = \dfrac{x + 1}{(x - 3)^2}$

Domain_____

VA_____

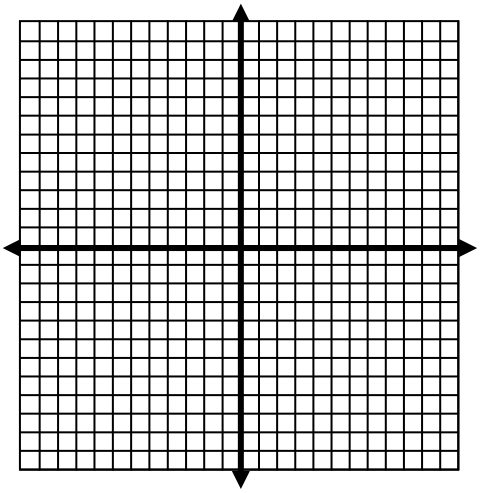
Holes_____

x-int_____

y-int_____

HA_____

Continuous/Discontinuous_____



8. $y = \dfrac{x - 4}{-4x - 16}$

Domain_____

VA_____

Holes_____

x-int_____

y-int_____

HA_____

Continuous/Discontinuous_____

