

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_____

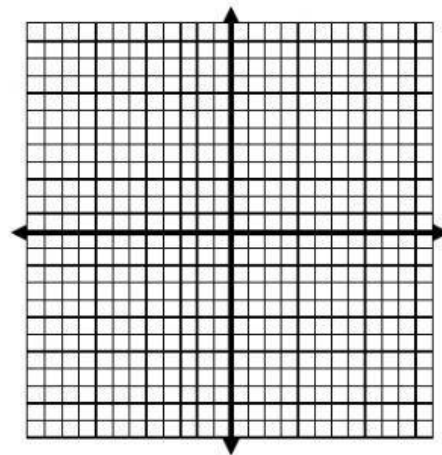
Holes_____

x-int_____

y-int_____

HA_____

Continuous/Discontinuous_____



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

Domain_____

VA_____

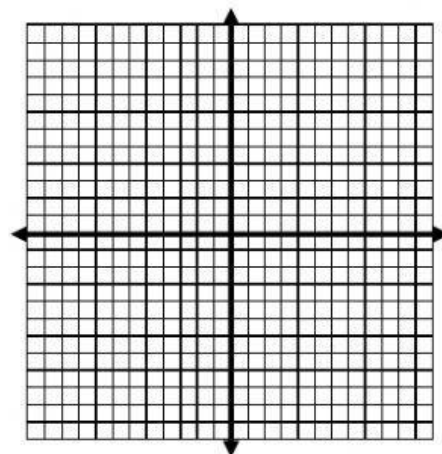
Holes_____

x-int_____

y-int_____

HA_____

Continuous/Discontinuous_____



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

Domain_____

VA_____

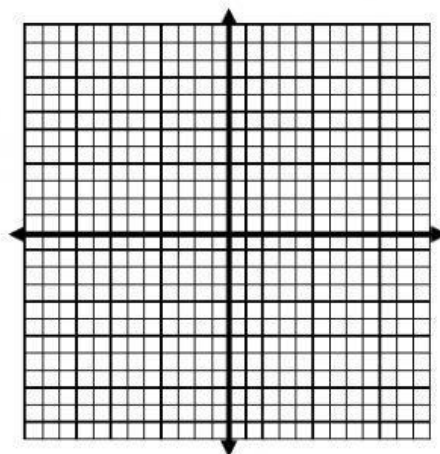
Holes_____

x-int_____

y-int_____

HA_____

Continuous/Discontinuous_____



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

Domain_____

VA_____

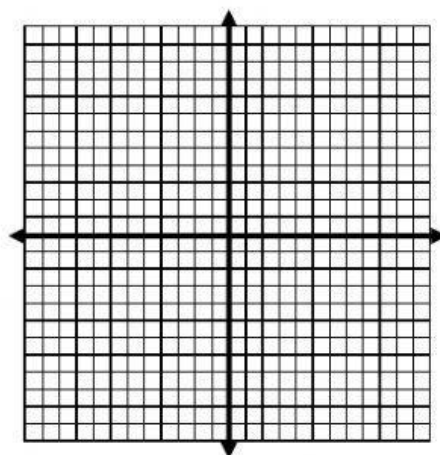
Holes_____

x-int_____

y-int_____

HA_____

Continuous/Discontinuous_____



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

Domain_____

VA_____

Holes_____

x-int_____

y-int_____

HA_____

Continuous/Discontinuous_____

