Name: _____ Period: _____ Date: _____

RATIONAL FUNCTIONS AND THEIR GRAPHS Exit Quiz

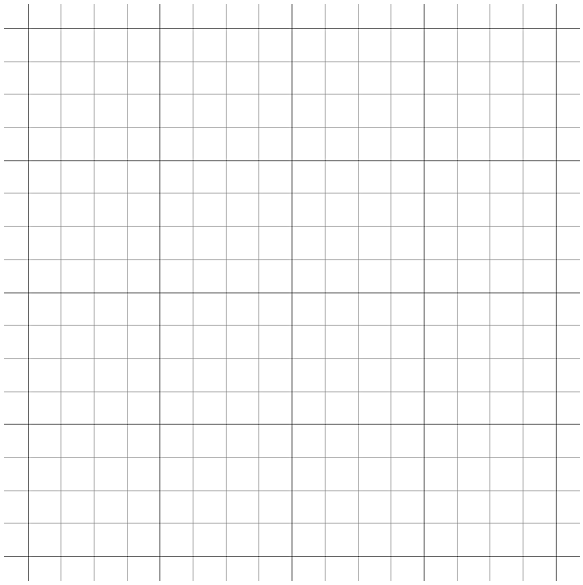
Graph the rational function and show all asymptotes and point of discontinuity.

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

Vertical Asymptote : _____ **Horizontal Asymptote : _____**

Point of Discontinuity : _____

x	y

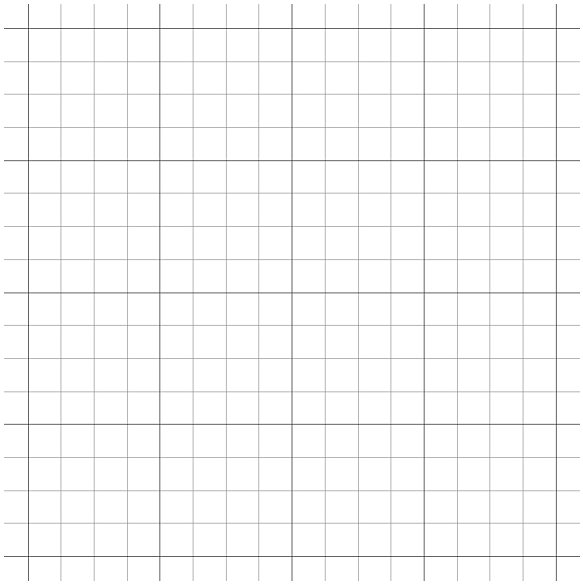


2. $f(x) = \frac{x^2-36}{x+6}$

Vertical Asymptote : _____ **Horizontal Asymptote : _____**

Point of Discontinuity : _____

x	y



Name: _____ Period: _____ Date: _____

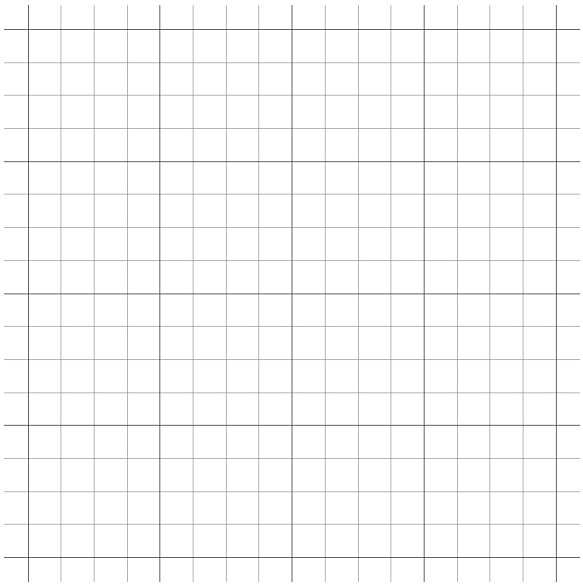
RATIONAL FUNCTIONS AND THEIR GRAPHS Exit Quiz

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

Vertical Asymptote : _____ **Horizontal Asymptote** : _____

Point of Discontinuity : _____

x	y

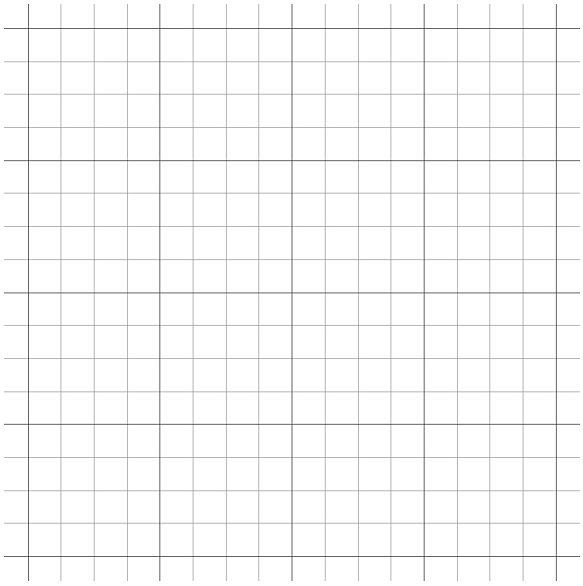


4. $f(x) = \frac{x-1}{x^2-4}$

Vertical Asymptote : _____ **Horizontal Asymptote** : _____

Point of Discontinuity : _____

x	y



Name: _____ Period: _____ Date: _____

RATIONAL FUNCTIONS AND THEIR GRAPHS Exit Quiz

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

Vertical Asymptote : _____ **Horizontal Asymptote : _____**

Point of Discontinuity : _____

x	y