

NOTES: GRAPH RATIONAL FUNCTIONS 2

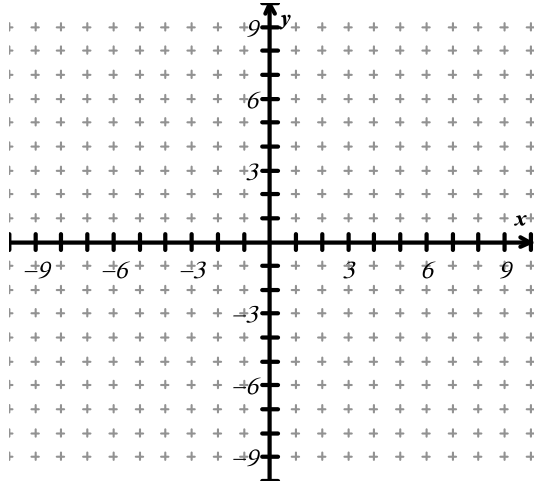
DAY 7

Textbook Chapter 8.3

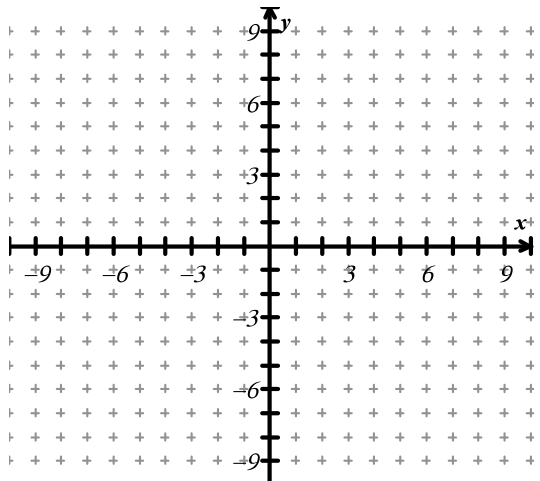
OBJECTIVE: Today you will learn how to graph special types of rational functions!

1.
$$y = \frac{x + 4}{x^2 - 16}$$

Removable Discontinuities:

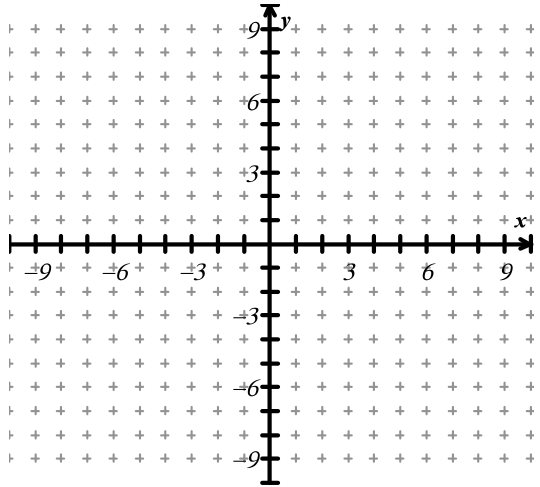
VA:	Domain:	Table	
HA:	Range:		

2.
$$y = \frac{(x - 1)(x + 4)}{(x + 4)}$$

VA:	Domain:	Table	
SA:	Range:		

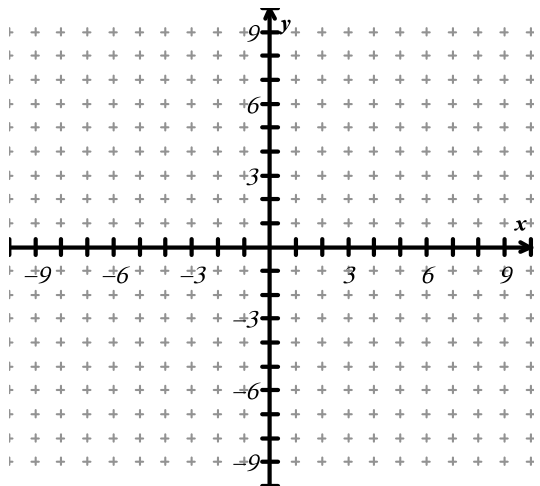
3. $y = \frac{2}{x - 5} + 1$

Removable Discontinuities: _____

VA:	Domain:	Table	
HA:	Range:		

4. $y = \frac{1 - x^2}{x^2 - x - 6}$

Removable Discontinuities: _____

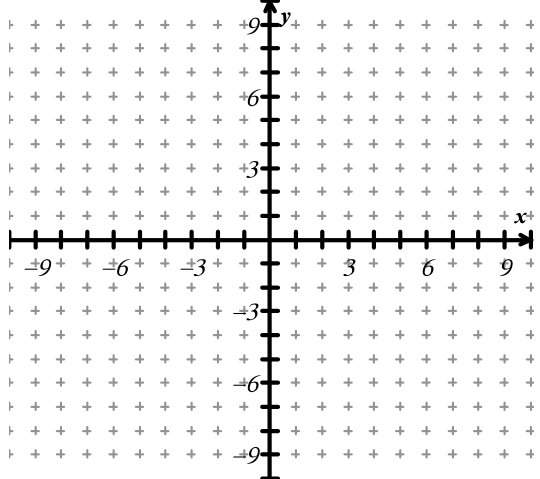
VA:	Domain:	Table	
HA:	Range:		

PRACTICE: GRAPH RATIONAL FUNCTIONS 2

DAY 7

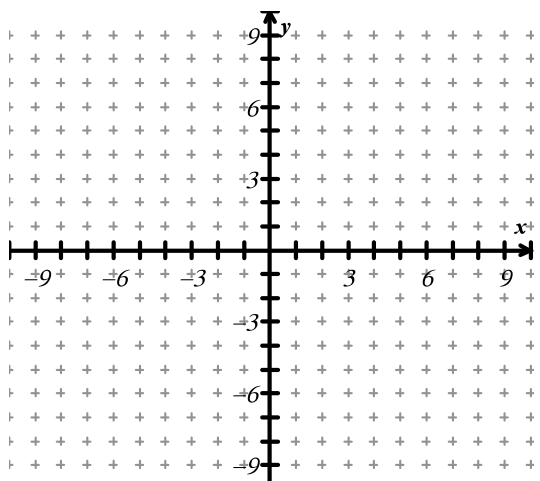
1. $f(x) = \frac{x^2 + 4x + 3}{x^2 - x - 2}$

Removable Discontinuities: _____

VA:	Domain:	Table	<p>Graph</p> 
HA:	Range:		

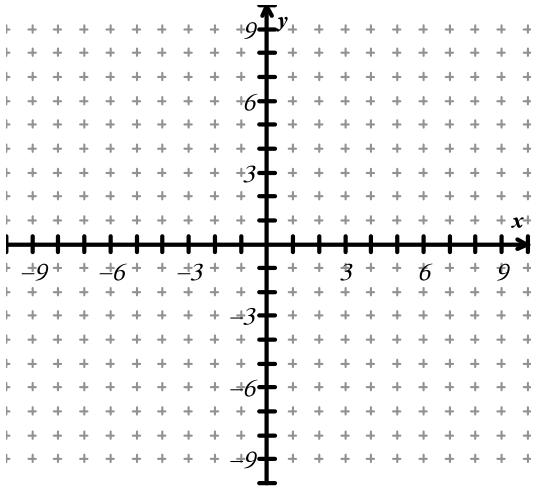
2. $y = \frac{-4}{x + 2}$

Removable Discontinuities: _____

VA:	Domain:	Table	<p>Graph</p> 
HA:	Range:		

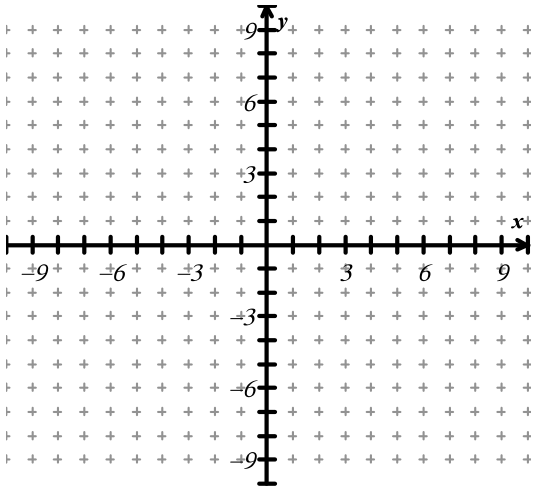
3. $y = \frac{(x^2 - 4)(x + 3)}{(x + 3)}$

Removable Discontinuities: _____

VA:	Domain:	Table	
SA:	Range:		

4. $g(x) = \frac{3x + 6}{x - 1}$

Removable Discontinuities: _____

VA:	Domain:	Table	
HA:	Range:		