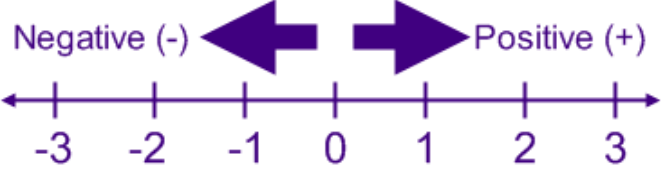
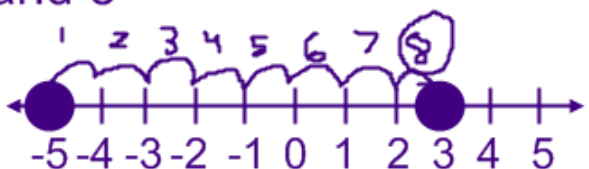


KEY

Name _____

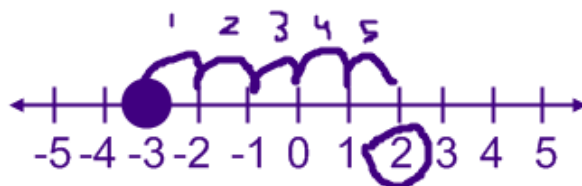
Unit 5 Study Guide

Topic	Examples
<p><u>Integers</u></p> <p>all whole numbers: positive negative, and 0</p>	<p>Negative (-) ← → Positive (+)</p> 
<p><u>Describe what the negative sign means</u></p> <p>the opposite of</p>	<p><u>Evaluate:</u> $-(-5)$</p> <p>5</p>
<p><u>Rational Numbers</u></p> <p>all numbers that can be written as a ratio: positive, negative, fractions, decimals, and whole numbers</p>	<p>-5 1 0 -2.5 $3\frac{1}{2}$</p>
<p><u>Compare Integers</u></p> <p>positive and positive: larger number is greater</p> <p>positive and negative: positive always bigger</p> <p>negative and negative: smaller number is greater</p>	<p>$12 > 8$</p> <p>$-5 < 3$</p> <p>$-6 > -10$</p>
<p><u>Order Integers</u></p> <p>order from smallest negative to largest positive, putting zero right in between the two</p>	<p>-5, 0, 6, -3, 2</p> <p>Ordered least to greatest</p> <p>-5, -3, 0, 3, 6</p>
<p><u>Distance between Integers</u></p> <p>draw a picture or number line, plot the points, count the distance between them</p>	<p>Distance between -5 and 3</p> 

Integers Moving Distances

draw a picture or number line, count the number of spots: right for positive, left for negative

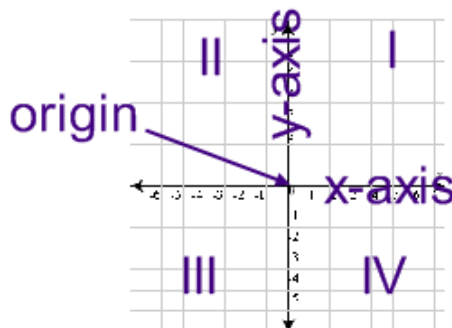
start at -3, move a positive 5



Quadrants & Graphing

Label these parts of the graph to the right:

- Quadrant I
- Quadrant II
- Quadrant III
- Quadrant IV
- x-axis
- y-axis
- origin



Patterns and Tables

What is the rule for the chart to the right?

$x5, +1$

Write that rule as an equation.

$y=5x+1$

Once you've discovered the pattern, fill in the empty boxes.

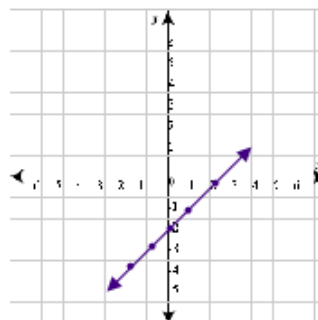
x	y
0	1
1	6
2	11
3	16
4	21
6	31
8	41

Graphing Equations

Fill in the t-chart for the equation: $y = x - 2$

x	y
-2	-4
-1	-3
0	-2
1	-1
2	0

Graph the equation on the coordinate plane.



My student has spent at least 30 minutes studying at home for this test.

Parent Signature _____