Name_____

Unit 6 Study Guide
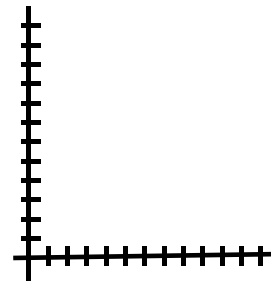
Words to Expressions	3 less than twice a number
<table><tr><td>+</td><td>-</td></tr><tr><td>x</td><td>÷</td></tr></table>	5 more than a number divided by 3 a number times 5 add 7
Two Step Equations	$5x - 7 = 13$ $x/3 + 2 = 7$

Inequality	Meaning of Symbol	Word that mean symbol	Type of circle used when graphing
>			
<			
≥			
≤			
Data Set			

Graphing Inequalities	Graph the inequality $y < 7$ Which numbers in this data set satisfy the inequality? $\{\ 3,\ 5,\ 6,\ 7,\ 9,\ 10\ \}$
Solving Inequalities	Solve the inequality $y - 5 \geq 9$ Name 3 values that satisfy the inequality.
Satisfying Multiple Inequalities	$$x - 4 > 5$$ $$6x \leq 72$$ Name 3 numbers that would satisfy both inequalities.
Patterns and Tables	Study the table below. | x	y
3	10
4	13
5	16 | What is the rule for the table? What is the equation for the table?

Equations to Graphs	
	$y = x + 6$

x	y
1	
2	
3	
4	

Equations from Graphs	
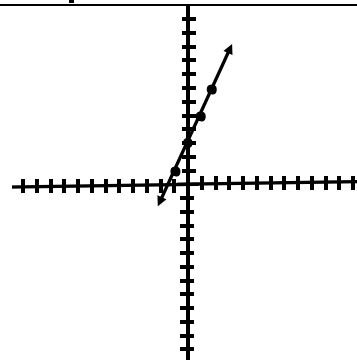
x	y

Write the equation for the line.

Using Graphs to Estimate Data	
What is the value of y if x = -4?	
What is the value of y if x = 10?	
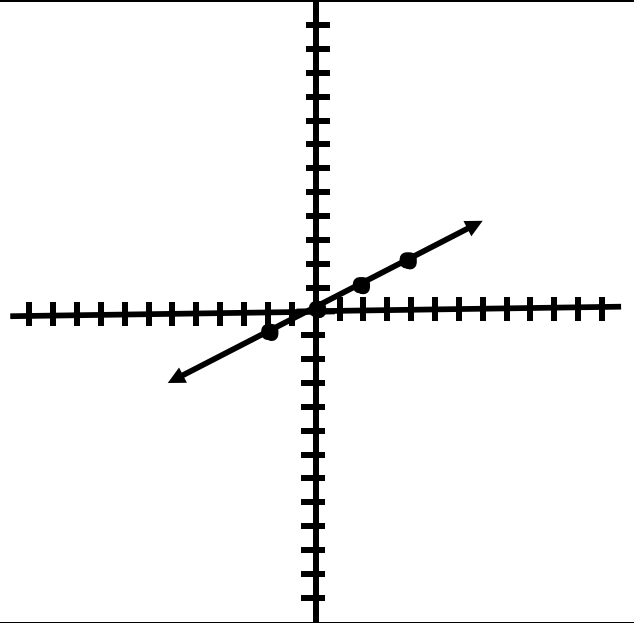
My student studied for at least 30 minutes.

Parent Signature_____ Date_____