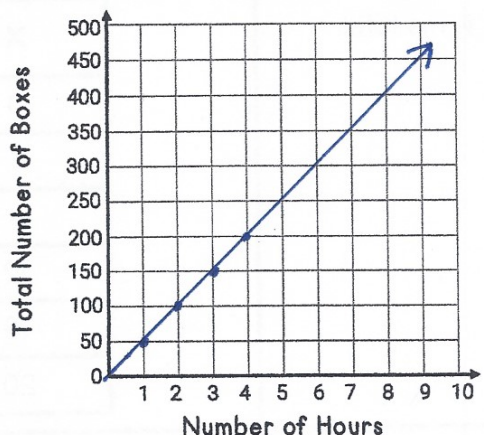
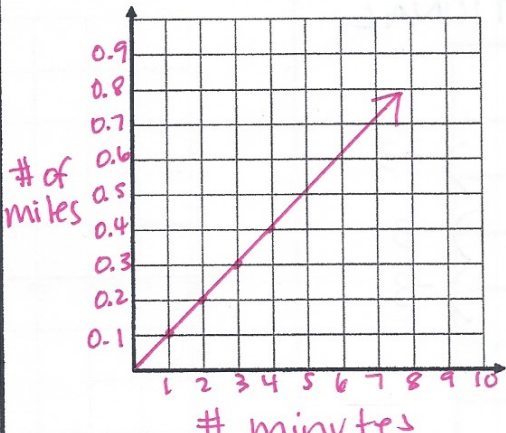
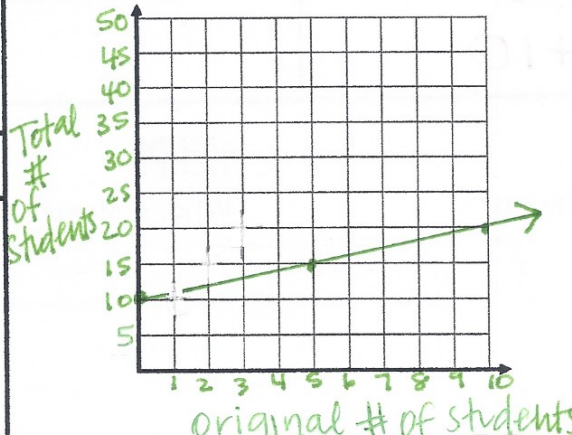


I CAN REPRESENT SITUATIONS USING VERBAL DESCRIPTIONS, TABLES, GRAPHS, & EQUATIONS.

6.6C, 6.11A

EQUATION	GRAPH	TABLE														
$y = 50x$		<table border="1"> <thead> <tr> <th># hours</th> <th>total # boxes</th> </tr> <tr> <th>X</th> <th>Y</th> </tr> </thead> <tbody> <tr><td>0</td><td>0</td></tr> <tr><td>1</td><td>50</td></tr> <tr><td>2</td><td>100</td></tr> <tr><td>3</td><td>150</td></tr> <tr><td>4</td><td>200</td></tr> </tbody> </table>	# hours	total # boxes	X	Y	0	0	1	50	2	100	3	150	4	200
# hours	total # boxes															
X	Y															
0	0															
1	50															
2	100															
3	150															
4	200															
<b>deSCRIPTION</b>																
A moving company is able to move 50 boxes per hour.																
EQUATION	GRAPH	TABLE														
$Y = 0.1x$		<table border="1"> <thead> <tr> <th>Number of Minutes</th> <th>Total Miles Run</th> </tr> </thead> <tbody> <tr><td>5 x 0.1</td><td>0.5</td></tr> <tr><td>10 x 0.1</td><td>1.0</td></tr> <tr><td>15 x 0.1</td><td>1.5</td></tr> <tr><td>20 x 0.1</td><td>2.0</td></tr> <tr><td>25 x 0.1</td><td>2.5</td></tr> </tbody> </table>	Number of Minutes	Total Miles Run	5 x 0.1	0.5	10 x 0.1	1.0	15 x 0.1	1.5	20 x 0.1	2.0	25 x 0.1	2.5		
Number of Minutes	Total Miles Run															
5 x 0.1	0.5															
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15 x 0.1	1.5															
20 x 0.1	2.0															
25 x 0.1	2.5															
<b>deSCRIPTION</b>																
Jerry can run 0.1 mile per minute.																
EQUATION	GRAPH	TABLE														
$y = x + 10$		<table border="1"> <thead> <tr> <th>X</th> <th>Y</th> </tr> </thead> <tbody> <tr><td>0</td><td>10</td></tr> <tr><td>5</td><td>15</td></tr> <tr><td>10</td><td>20</td></tr> <tr><td>15</td><td>25</td></tr> <tr><td>20</td><td>30</td></tr> </tbody> </table>	X	Y	0	10	5	15	10	20	15	25	20	30		
X	Y															
0	10															
5	15															
10	20															
15	25															
20	30															
<b>deSCRIPTION</b>																
Each teacher was given 10 additional students.																

**i've got it!**

What concepts can I ace on the test?

**HELP!**

What concepts do I need to study?



I CAN REPRESENT LINEAR RELATIONSHIPS WITH EQUATIONS, TABLES, AND GRAPHS.

7.7A

21. At the baseball field a bag of candy is \$2.50 and a bag of popcorn is \$4.25. Roman is planning to purchase 3 <sup>bag</sup> boxes of candy and  $x$  bags of popcorn. Write an equation to find  $y$ , the total price Roman must pay.

$$2.50(3) + 4.25x = y$$

$$7.50 + 4.25x = y$$

22. Complete the table below to satisfy the equation  $y = \frac{1}{2}x + 5$ .

x	y
0	5
4	7
8	9
12	11
16	13
20	15

$\frac{1}{2}(0) + 5$   
 $\frac{1}{2}(4) + 5$   
 $\frac{1}{2}(8) + 5$   
 $\frac{1}{2}(12) + 5$   
 $\frac{1}{2}(16) + 5$

23. Write an equation to represent the relationship below. Determine if the relationship is proportional. **NOT PROPORTIONAL**

x	y
0	10
2	7
4	4
6	1
8	-2
10	-5

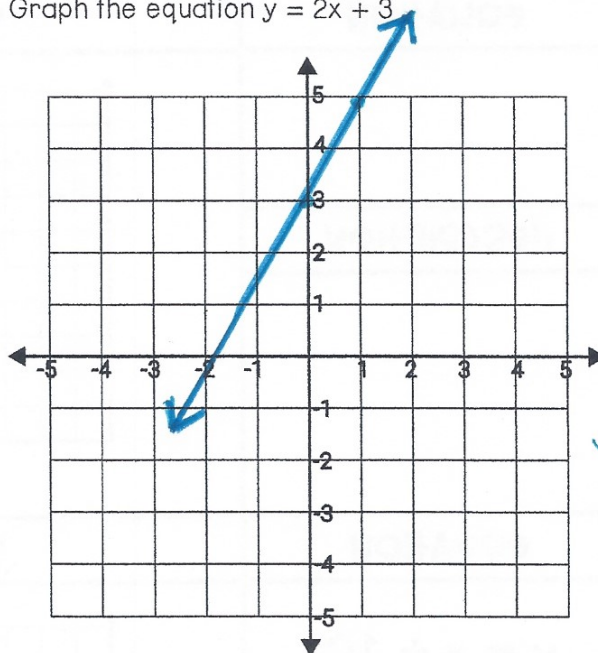
*# you add to equation*

+2 ( )  
 +2 ( )  
 +2 ( )  
 +2 ( )  
 +2 ( )

-3  
 -3  
 -3  
 -3

$\frac{-3}{2} = -1.5$  rate of change

24. Graph the equation  $y = 2x + 3$



**I'VE GOT IT!**

$y = -1.5x + 10$

What concepts can I ace on the test?

*you want have questions as hard as #'s 21-24 on the test !!*

**HELP!**

What concepts do I need to study?

x	y
0	3
1	5
2	7
3	

*don't worry if you can't fit all of the ordered pairs on the first quadrant*