

**WEDNESDAY**

1. Find the rate of change (slope) of the line that would go through the points on this table:

x	1	4	7
y	8	6	4

2. Is the following relation a function? Explain why or why not.

$(-3, 8)$   $(-2, 8)$   $(-1, 8)$   $(0, 5)$   $(1, 5)$   $(2, 5)$

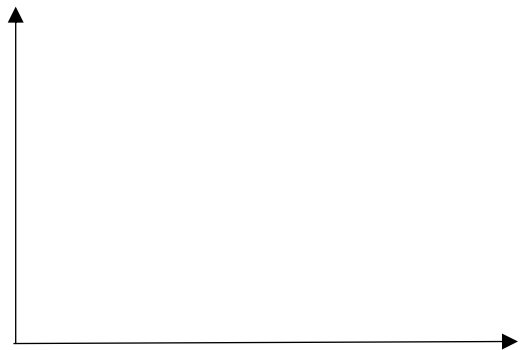
3. Find the value of y for the given value of x:  $y = -5x + 8$ ;  $x = -7$

4. Write the linear equation given the table:

x	1	3	4
y	5	11	14

5. Construct a graph (label it):

The bell rings and you're going to walk home from school. It takes a few minutes to get your backpack and then you're off. After walking slowly for 5 minutes, you stop at Starbucks and get a Frappuccino and talk to a friend for 10 minutes. Now you're late to practice! So you rush home as fast as you can and make it in 5 minutes!

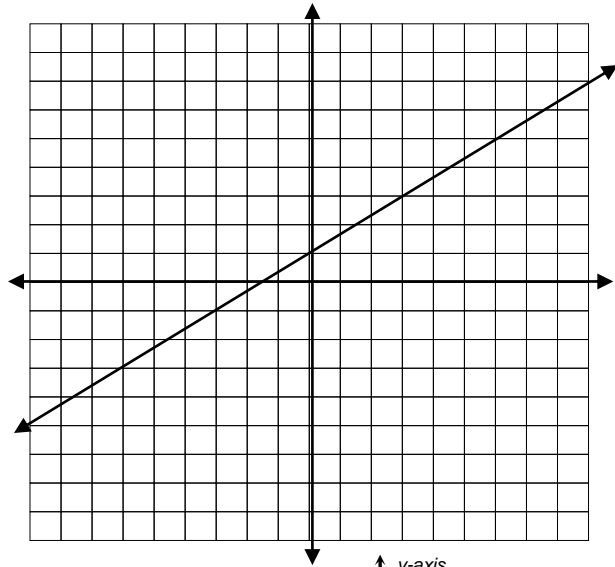


## THURSDAY

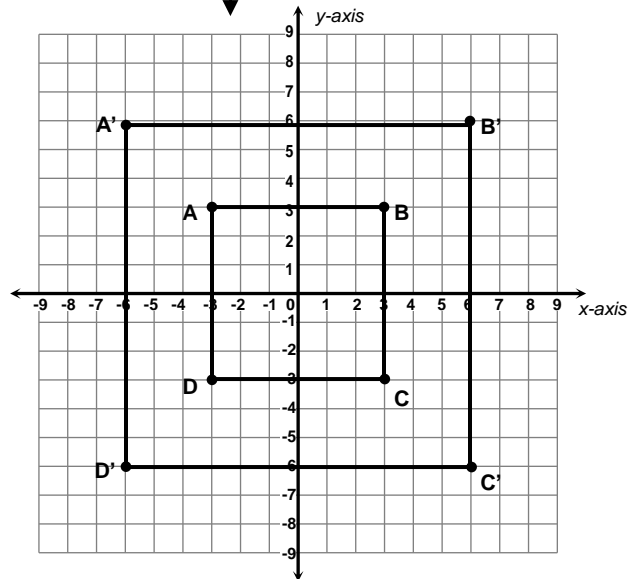
- Find the volume of a cone with diameter of 20 cm and a height of 6 cm.
- What is the distance from (2,8) to (5,1)? (Hint: Use Pythagorean Theorem!)
- Write the equation and complete the table for the graph.

Equation: \_\_\_\_\_

x	-6	-3	0	3	6
y					



- Describe the type of dilation of quadrilateral ABCD, and what is the scale factor?



- Write each fraction as a decimal: a)  $\frac{1}{5}$       b)  $\frac{2}{5}$       c)  $\frac{3}{5}$       d)  $\frac{4}{5}$