

LESSON 13: Unit Rate as Slope

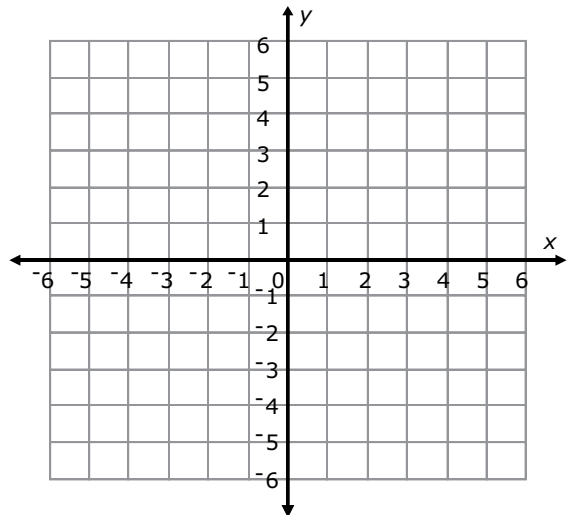
Homework

Name _____ Date _____

Directions: Fill in the table of values and graph each of the following.

1. $y = \frac{1}{2}x$

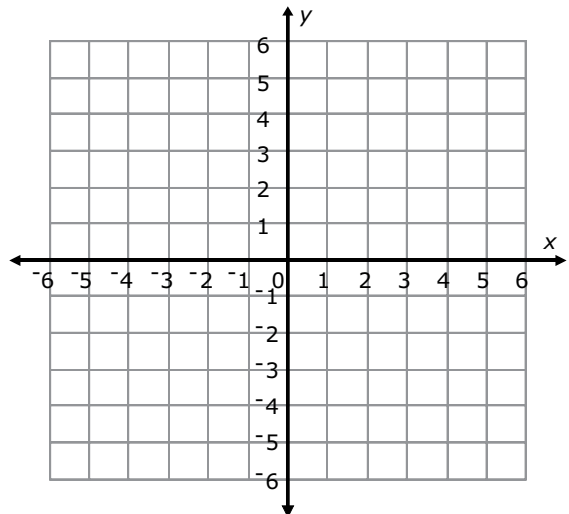
x	y
0	0
1	$\frac{1}{2}$
2	
3	
4	



Find the unit rate or slope for this graph.

2. $y = \frac{2}{3}x$

x	y
0	0
3	2
6	
9	
12	



Find the unit rate or slope for this graph.

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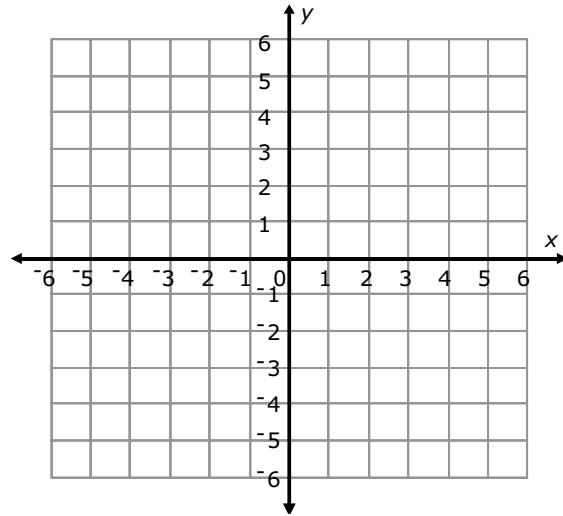
3. Plot Point A: (4, 3)

Plot Point B: (2, 1.5)

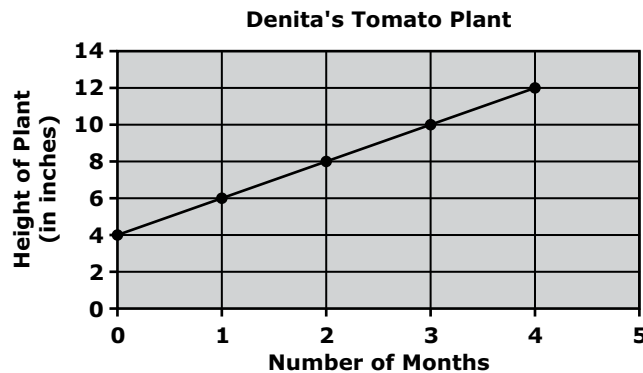
4. Calculate the vertical distance between the two labeled points.

5. Calculate the horizontal distance between the two labeled points.

6. Give the unit rate or slope between the two points.



The graph below represents the height of Denita's tomato plant which grew during a 4-month period. The plant was purchased after it had already started to grow. Use the graph to answer the following questions.



7. What is the unit rate in which Denita's plant grew each month?
8. If the plant continues to grow at the same rate, how tall will it be after the 5th month?
9. Write an equation that represents the graph.
10. What is the slope of the line?