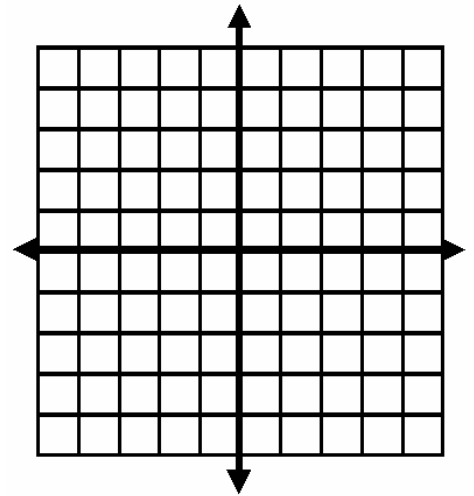


OBJECTIVE: To relate slopes of lines to tables, graphs, and equations.

Plot the points on the graph provided and calculate the slope.

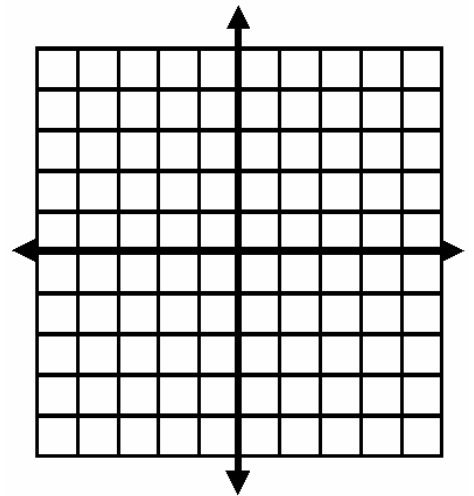
1.

$x$	$y$
-4	5
1	2
6	-1



2.

$x$	$y$
-4	3
1	4
6	5



Calculate the slope from the table provided without graphing the points.

3.

$x$	$y$
-9	-5
-1	1
7	7

4.

$x$	$y$
7	-10
3	-4
-1	2

Jumbled Answers

$\frac{3}{4}$

$\frac{-3}{5}$

$\frac{3}{8}$

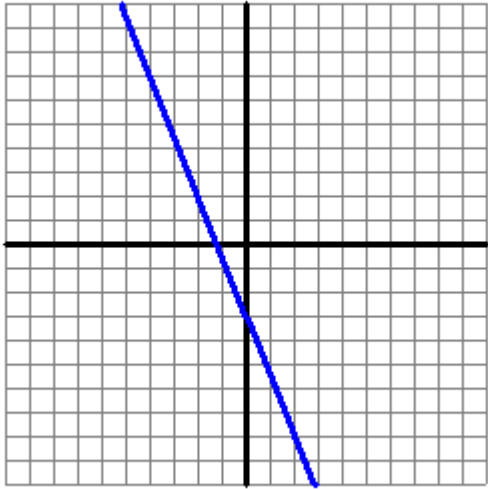
$\frac{-7}{3}$

$\frac{1}{5}$

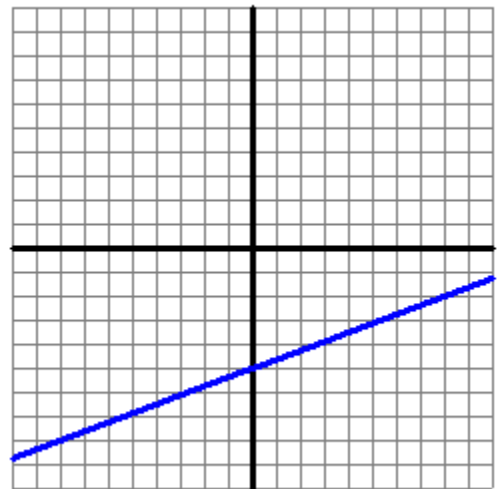
$\frac{-3}{2}$

Use the graph provided to find the slope of each line. Identify the y-intercept.

5.

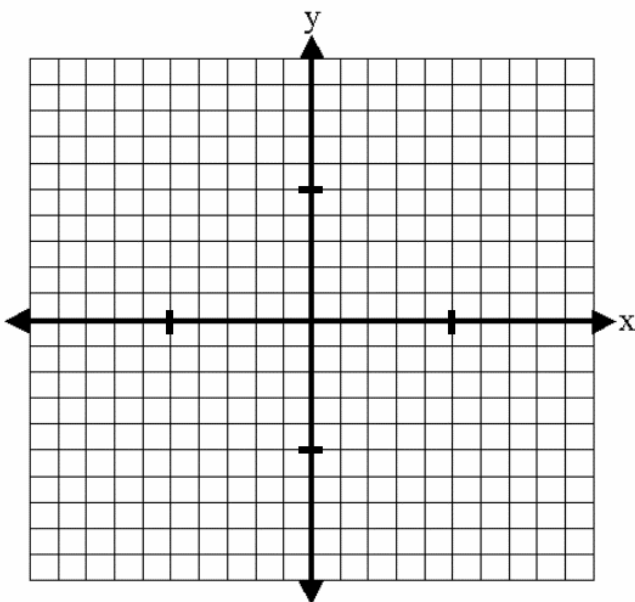


6.

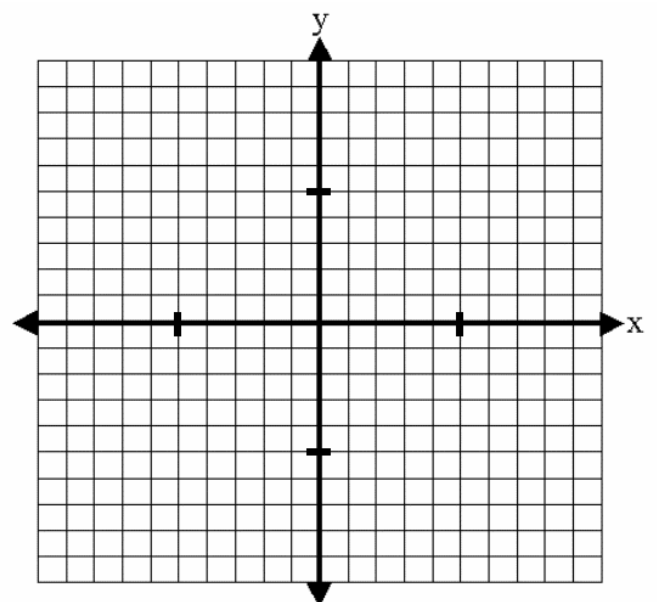


Graph a line that has the following slope.

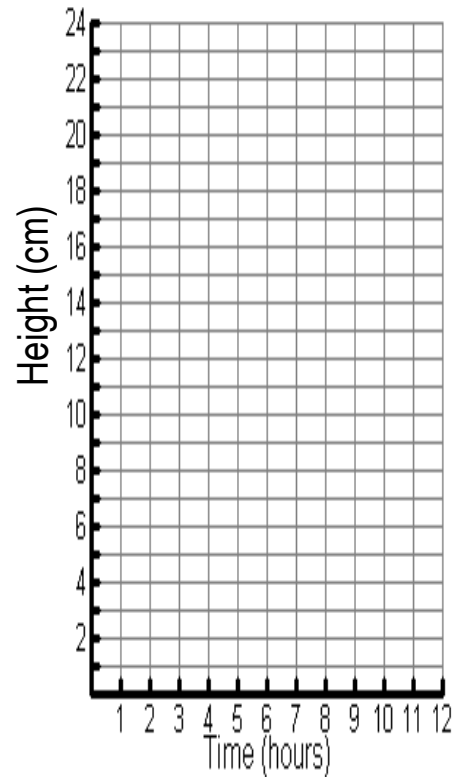
7.  $m = -\frac{1}{4}$



8.  $m = \frac{4}{3}$



9. A candle is 24 centimeters high and burns 3 centimeters per hour. Use the graph on the right to plot how high the candle will be after 1 hour, 2 hours, etc...



10. If the height of the candle is 8 centimeters, approximately how long has the candle been burning?

- a. 0 hours                      b. 24 minutes                      c. 64 minutes                      d. 5.5 hours

The table below shows the relationship between the perimeter of a square and its side lengths. Use the table for the questions that follow.

Side length	$x$	1	2	3	4	5
Perimeter	$y$	4	8	12	16	20

11. Draw a graph to represent this relation.

12. Is the relation a function?

13. Is the relation linear?

14. If it is linear, what is the slope?

