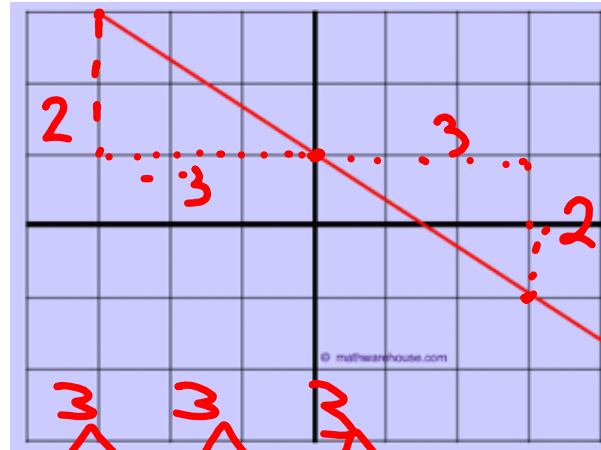


Find the slope:

1. (2, 3) (-4, 7)

$$\frac{7-3}{-4-2} = \frac{4}{-6} = -\frac{2}{3}$$

2.



3.

x	0	3	6	9	12	15
y	4	1	-2	-5	-8	-11

Handwritten red annotations for the table above:

- Red arrows connect the x-values (0, 3, 6, 9, 12, 15) and y-values (4, 1, -2, -5, -8, -11) in a zig-zag pattern.
- Red numbers are written below the table: -1 under the first column, -3 under the second, -3 under the third, -3 under the fourth, -3 under the fifth, and -3 under the sixth.

Homework Check:

11. -2

12. $\frac{1}{3}$

13. 4

14. $\frac{5}{6}$

15. $\frac{3}{4}$

16. $-\frac{5}{2}$

17. 1

18. $\frac{1}{2}$

19. -1

20. 2

21. $\frac{7}{10}$

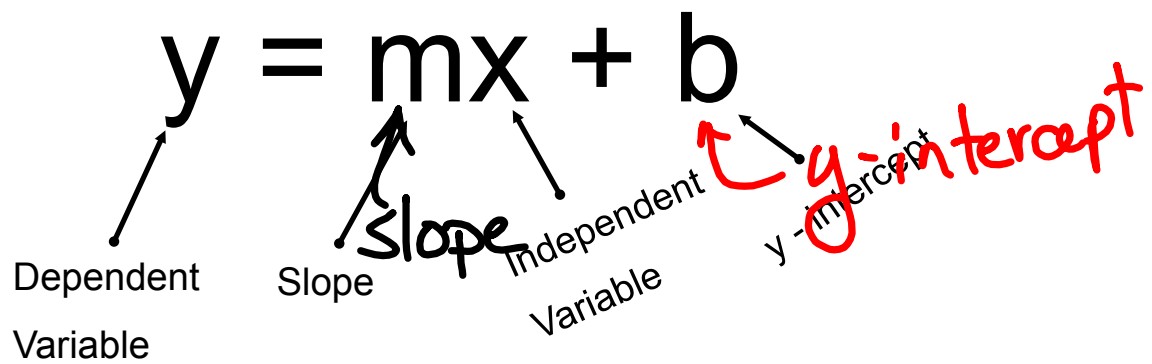
22. $-\frac{1}{3}$

23. 0

24. undefined

25. 0

Slope - Intercept Form



y - intercept - where the line crosses the y - axis

Name the slope and the y-intercept for
the following equations

$$y = \underline{5}x + 7$$

$$\text{slope} = 5$$

$$\text{y-intercept} = 7$$

$$y = x - 6$$

$$\text{slope} = 1$$

$$\text{y-intercept} = -6$$

$$y = 3x$$

$$\text{slope} = 3$$

$$\text{y-intercept} = 0$$

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

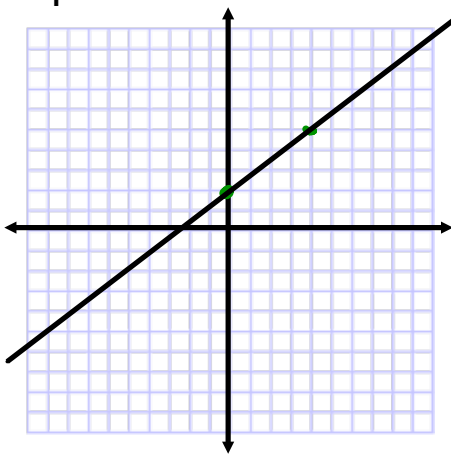
$$\text{slope} = \frac{2}{3}$$

$$\text{y-intercept} = -2$$

Graphing slope intercept form

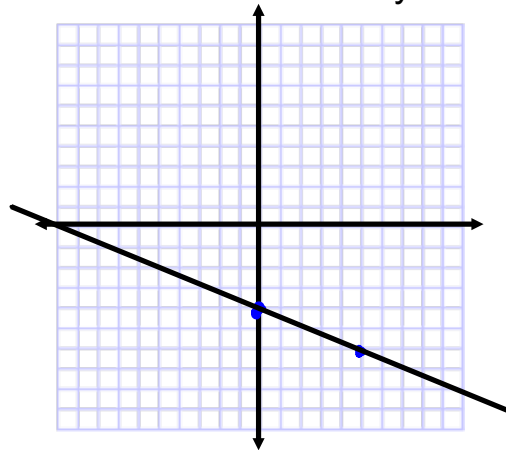
$$y = \frac{3}{4}x + 2$$

slope = $\frac{3}{4}$
y- intercept = 2

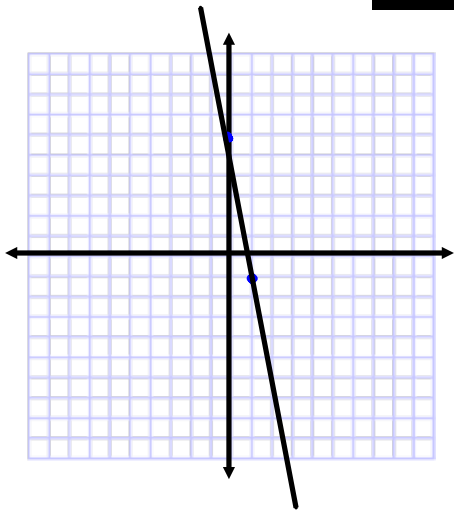


$$y = -\frac{2}{5}x - 4$$

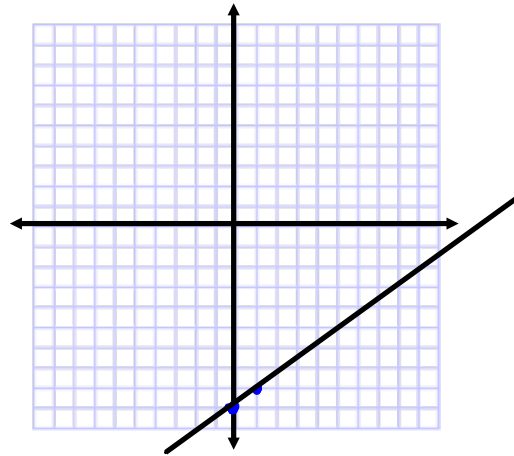
slope = $-\frac{2}{5}$
y-intercept = -4



_____ = _____
_____ -7
_____ 6

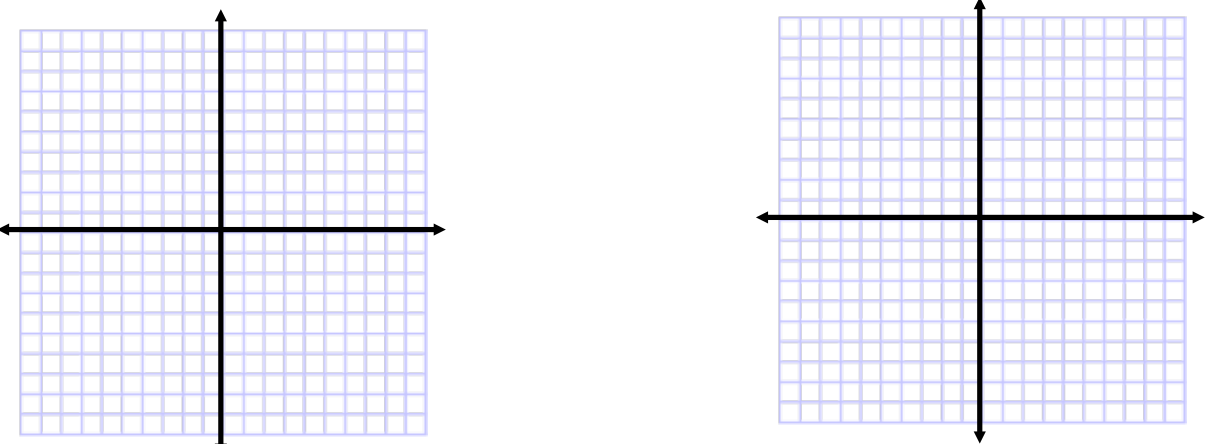


_____ = _____
_____ 1
_____ -9



_____ _____

_____ + _____



y - intercepts:

Graph:

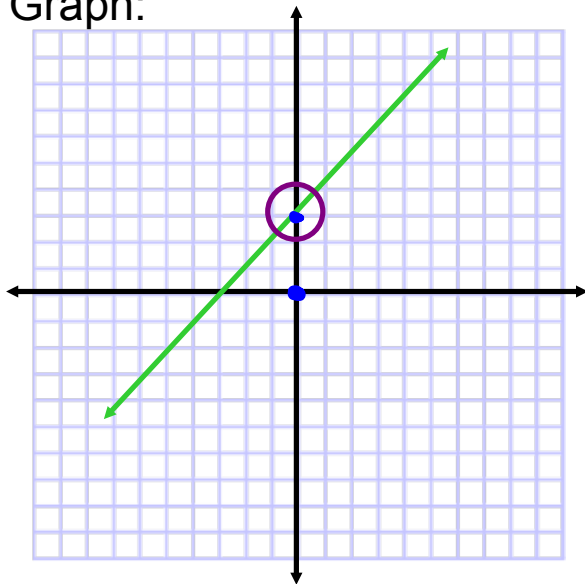


Table:

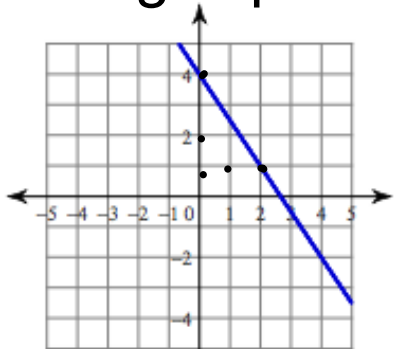
x	-1	0	1
y	2	4	6

Ordered pair:

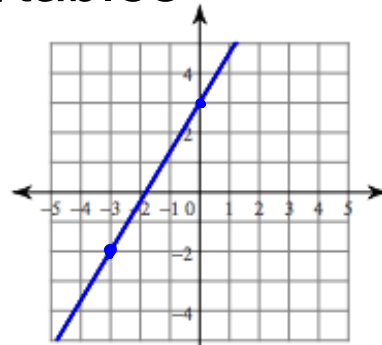
(0, b)
(0, 7)

1, 7

Writing Equations for graphs/tables



$b = 4$
 $m = -\frac{3}{2}$
 $y = -\frac{3}{2}x + 4$



$y = \frac{5}{3}x + 3$

x	0	1	2	3	4
y	5	3	1	-1	-3

$y = -2x + 5$

x	2	3	4	5	6
y	-11	-14	-17	-20	-23

$y = -3x - 5$

pg 312
 7-27
 31-33

