

3.6

Graphing a Line Given the Equation in Slope-Intercept Form

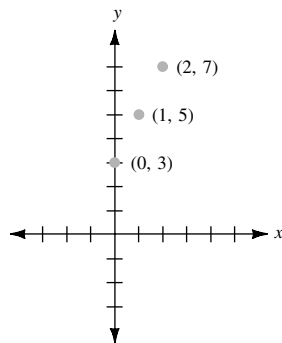
• Example 1

Graph $y = 2x + 3$.

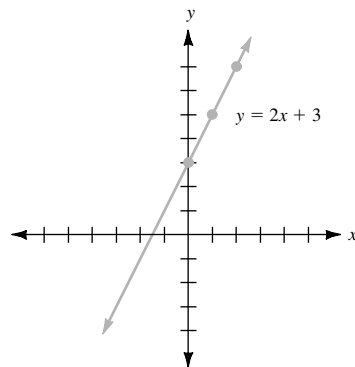
Step 1 Some solutions are

x	y
0	3
1	5
2	7

Step 2 Graph the points corresponding to these values.

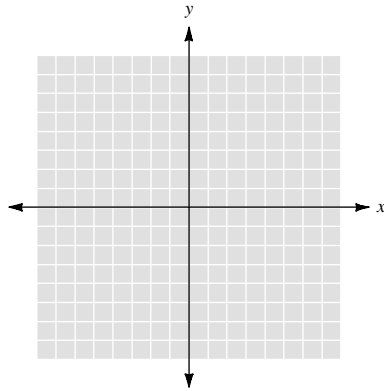


Step 3 Draw a line through the points.



● ● ● CHECK YOURSELF 1

Graph the equation $y = 3x - 2$ after completing the table of values.

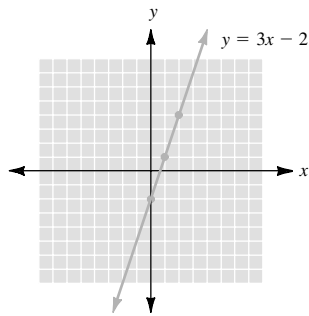


x	y
0	
1	
2	

● ● ● CHECK YOURSELF ANSWER

1.

x	y
0	-2
1	1
2	4



3.6 Exercises

Name _____

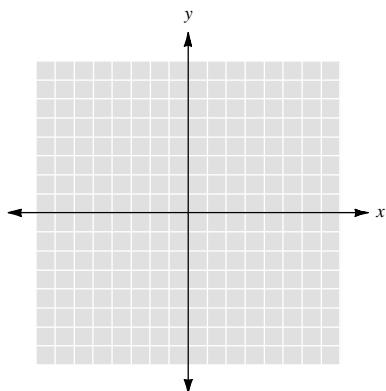
Section _____

Date _____

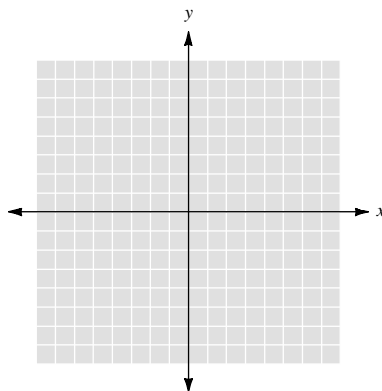
A N S W E R S

Graph each of the following equations.

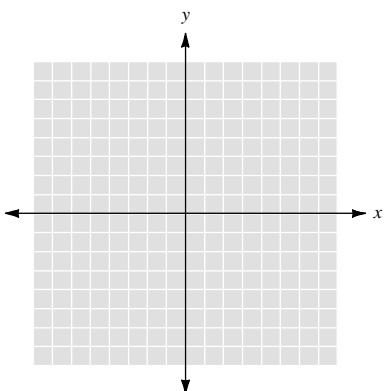
1. $y = 2x - 1$



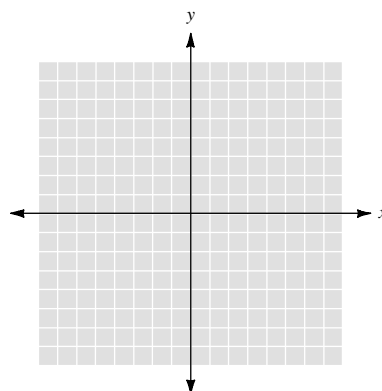
2. $y = 4x + 3$



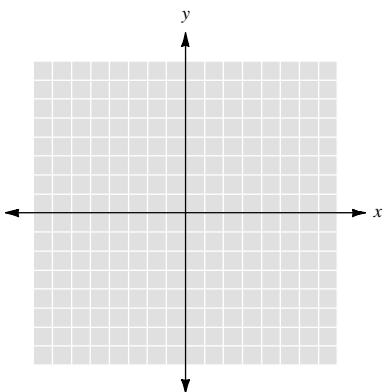
3. $y = -3x + 1$



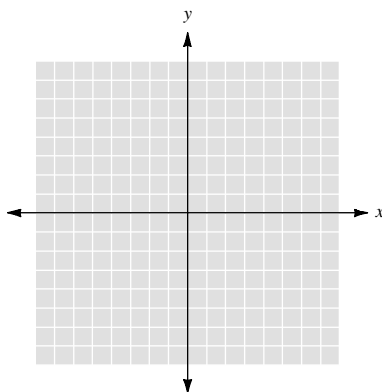
4. $y = -3x - 3$



5. $y = 3x + 2$



6. $y = 2x - 3$



1. _____

2. _____

3. _____

4. _____

5. _____

6. _____