

EXTRA PRACTICE Ñ Exercises

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Unit III ð First Degree Relations with Two Placeholders Part A ð Solution Set for One Open Sentence Lesson 5 ð Graphing Techniques for $y = mx + b$

Graph the solution set for each of the following equations by finding individual solutions, and then answer the questions as indicated.

1. $y = \frac{1}{2}x + 4$

- Where does the solution set line cross the ~~y~~ ~~axis~~?
- What is the slope of the line?

2. $y = \frac{-3}{5}x + 3$

- Where does the solution set line cross the ~~y~~ ~~axis~~?
- What is the slope of the line?

Graph the solution set for each of the following equations by using the (0, b) point and the slope.

3. $4x - 2y = -10$

4. $5y = 3x - 10$

5. $3x - 2y = 6$

6. $3y - 2x = 6$

7. $2x - 3y = -9$

8. $3x - 5y = 15$

EXTRA PRACTICE — Answer Key

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Unit III – First Degree Relations with Two Placeholders

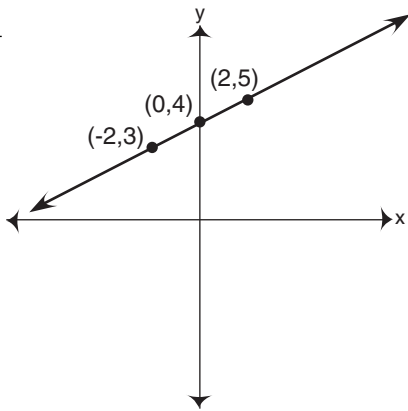
Part A – Solution Set for One Open Sentence

Lesson 5 – Graphing Techniques for $y = mx + b$

Graph the solution set for each of the following equations by finding individual solutions, and then answer the questions as indicated.

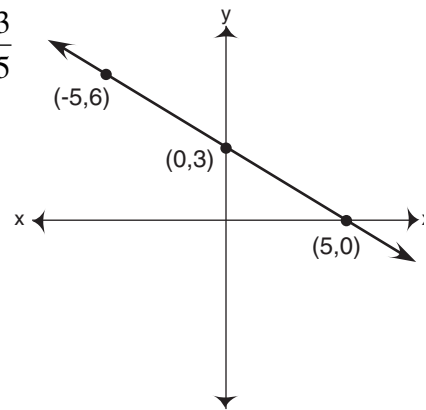
1. a. $(0,4)$

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



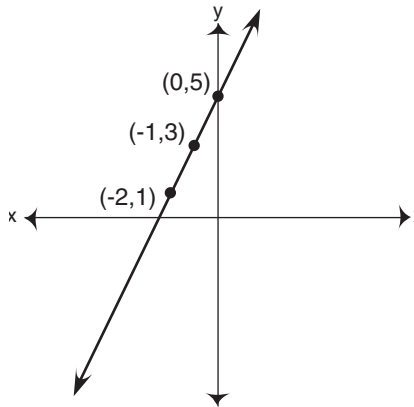
2. a. $(0,3)$

b. $-\frac{3}{5}$

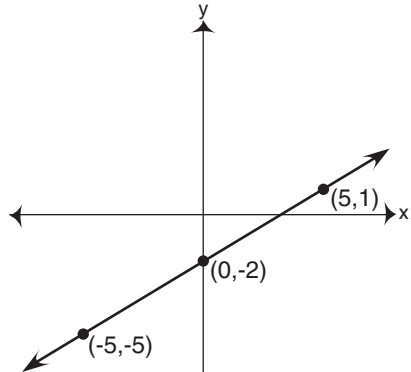


Graph the solution set for each of the following equations by using the $(0, b)$ point and the slope.

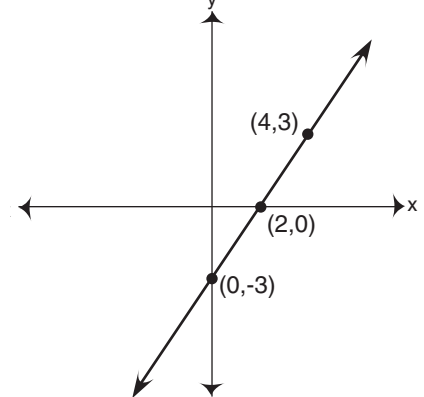
3.



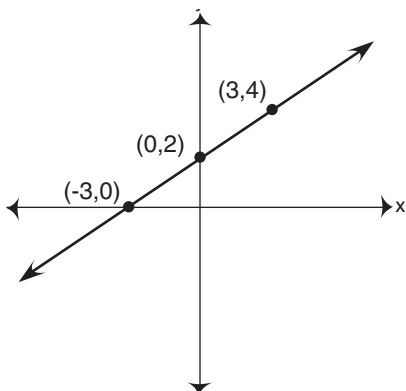
4.



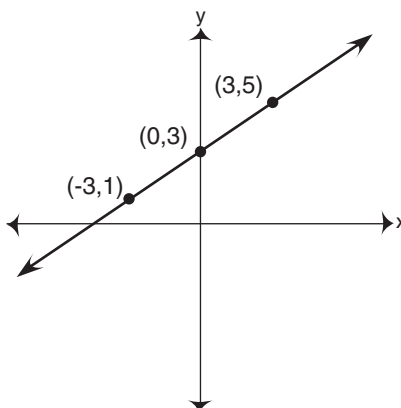
5.



6.



7.



8.

