

# 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 $y = mx + b$

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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

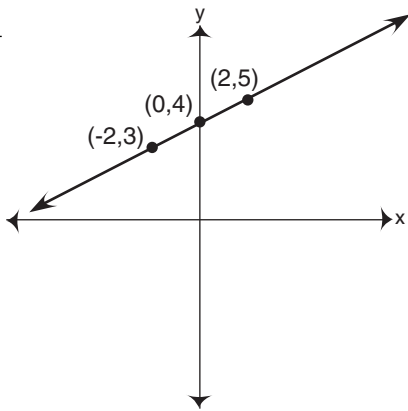
### Part A – Solution Set for One Open Sentence

### 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.

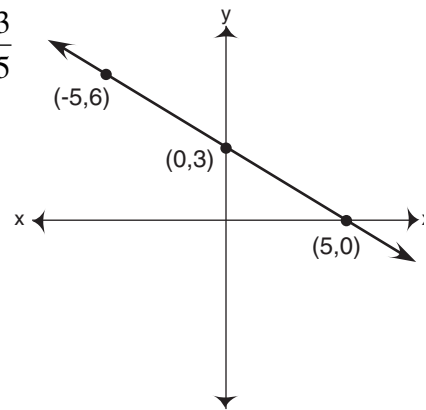
1. a.  $(0,4)$

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



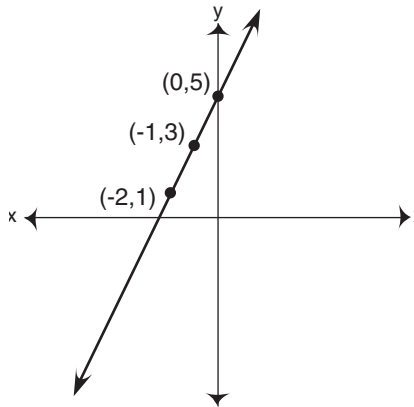
2. a.  $(0,3)$

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

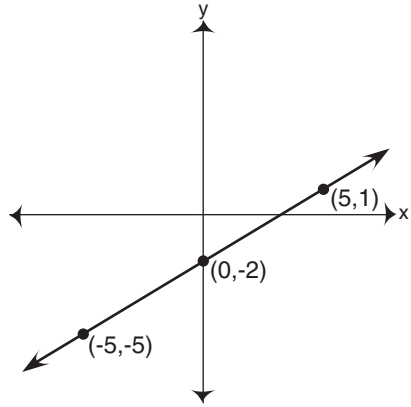


Graph the solution set for each of the following equations by using the  $(0, b)$  point and the slope.

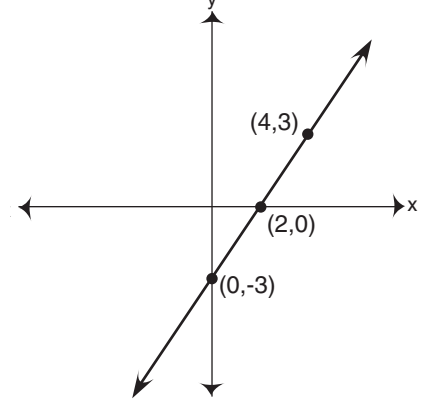
3.



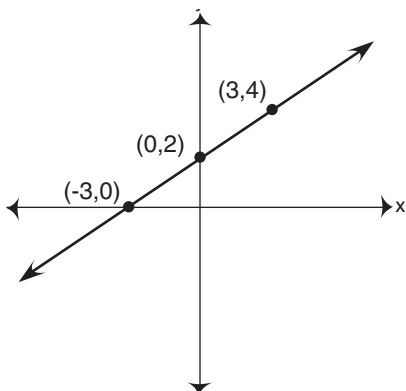
4.



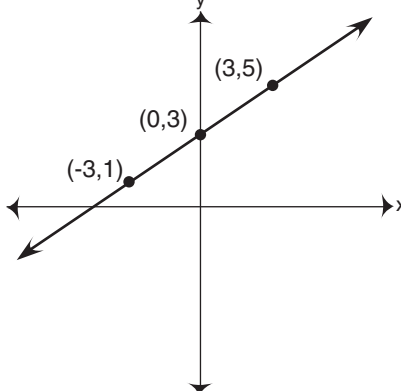
5.



6.



7.



8.

