

## EXTRA PRACTICE — Exercises

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### Unit III – First Degree Relations with Two Placeholders Part A – Solution Set for One Open Sentence **Lesson 4 – Graphing Techniques for $y = mx$**

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

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

2.  $y = 5x$

- 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, 0) point and the slope.

3.  $y = -x$

4.  $y = \frac{5}{6}x$

5.  $y = \frac{3}{7}x$

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

7.  $y = -5x$

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

# EXTRA PRACTICE — Answer Key

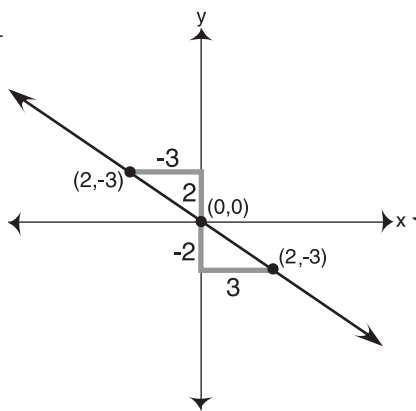
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## Unit III – First Degree Relations with Two Placeholders Part A – Solution Set for One Open Sentence Lesson 4 – Graphing Techniques for $y = mx$

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

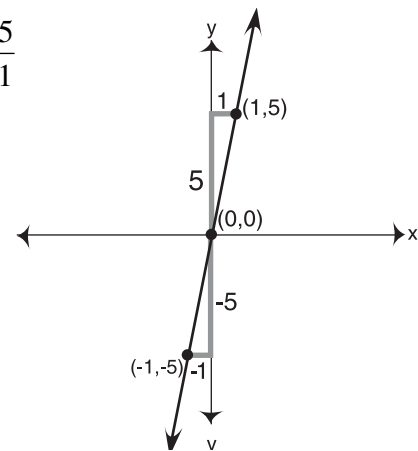
1. a.  $(0,0)$

b.  $-\frac{2}{3}$



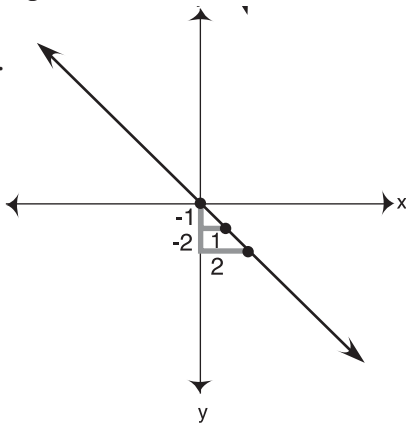
2. a.  $(0,0)$

b.  $\frac{5}{1}$

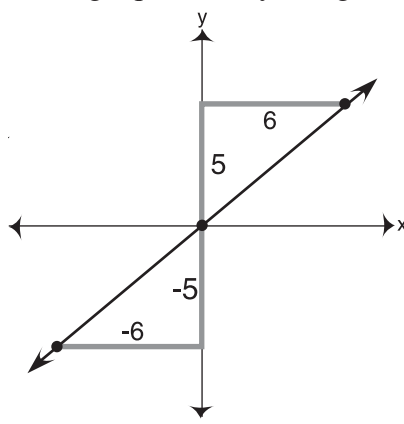


Graph the solution set for each of the following equations by using the  $(0,0)$  point and the slope.

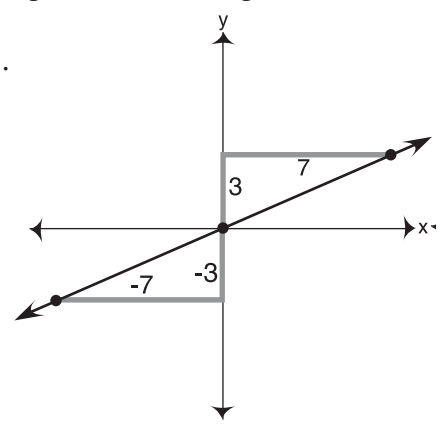
3.



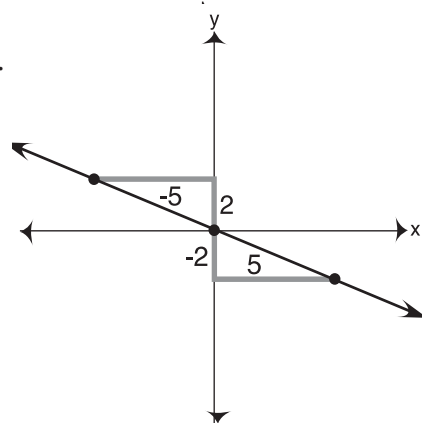
4.



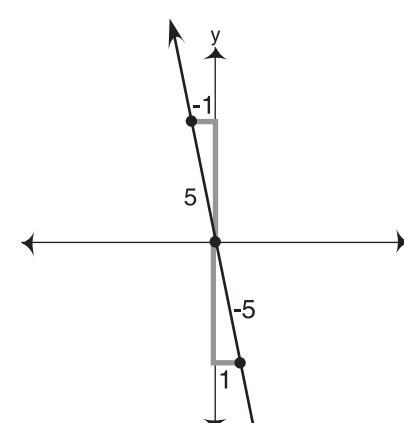
5.



6.



7.



8.

