

MAT 090 - Chapter 4.4 - Homework

Name: \_\_\_\_\_

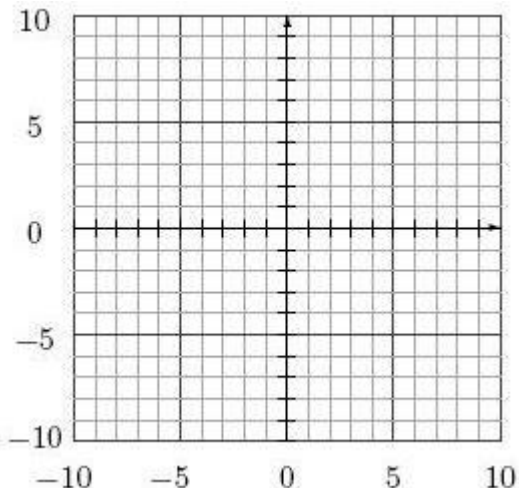
Class: \_\_\_\_\_

Date: \_\_\_\_\_

Find the slope and y-intercept of the line represented by each of the following equations. Then graph each line, using the slope and y-intercept. Show work to receive full credit.

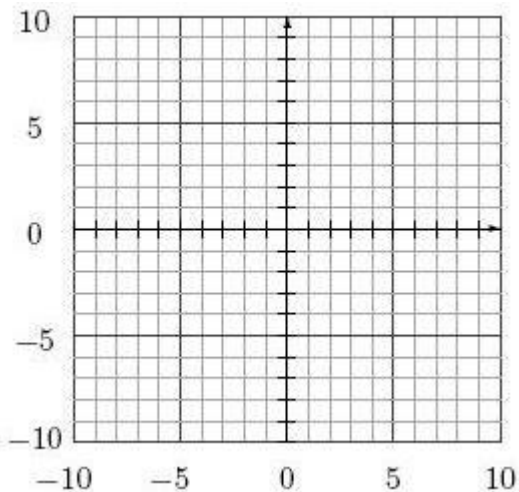
1.  $y = -7x + 3$

1.  $m = \underline{\hspace{2cm}}$       $b = \underline{\hspace{2cm}}$



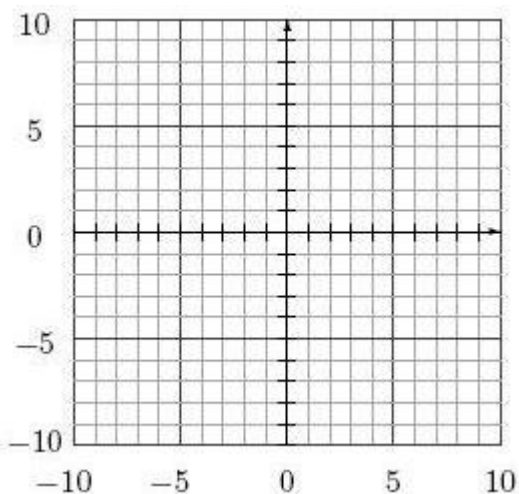
2.  $y = -5x - 2$

2.  $m = \underline{\hspace{2cm}}$       $b = \underline{\hspace{2cm}}$



3.  $y = \frac{2}{3}x - 4$

3.  $m = \underline{\hspace{2cm}}$       $b = \underline{\hspace{2cm}}$

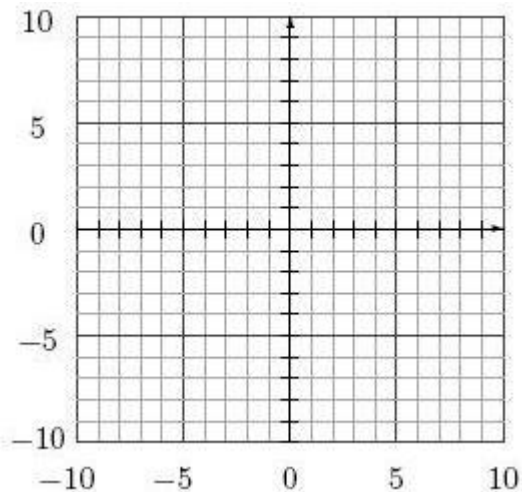


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Find the slope and y-intercept of the line represented by each of the following equations. Then graph each line, using the slope and y-intercept. Show work to receive full credit.

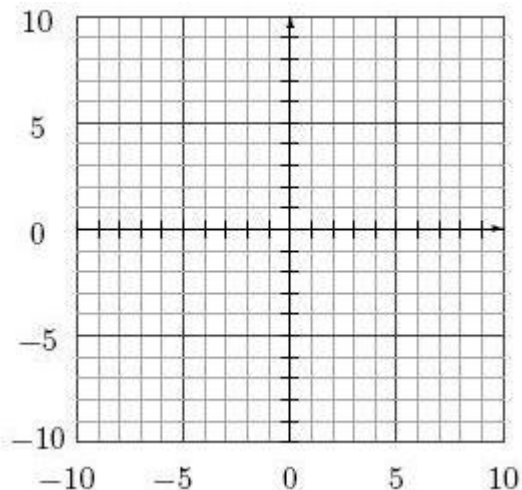
4.  $y = \frac{2}{5}x - 4$

4.  $m = \underline{\hspace{2cm}}$        $b = \underline{\hspace{2cm}}$



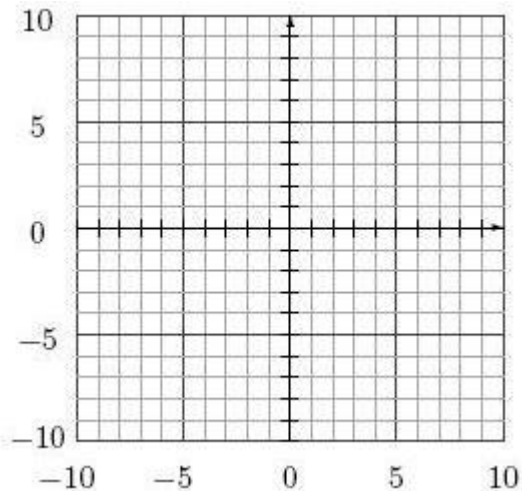
5.  $y + 2x = 0$

5.  $m = \underline{\hspace{2cm}}$        $b = \underline{\hspace{2cm}}$



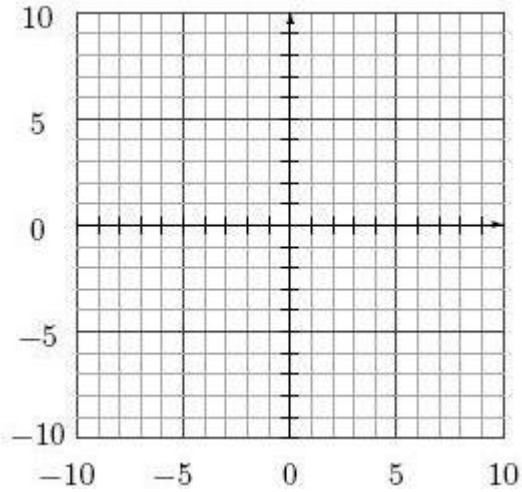
6.  $3x - 4y = 0$

6.  $m = \underline{\hspace{2cm}}$        $b = \underline{\hspace{2cm}}$



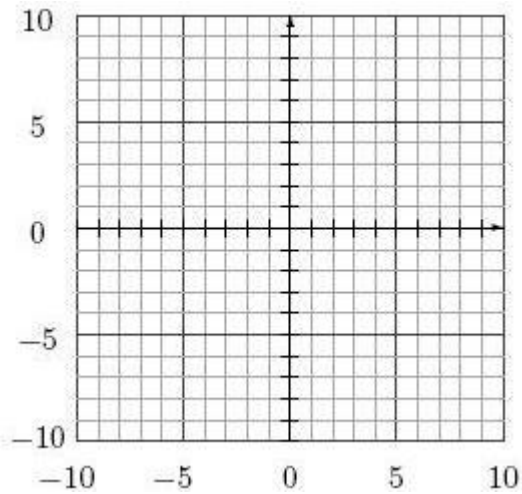
7.  $5x + 2y = 10$

7.  $m = \underline{\hspace{2cm}}$      $b = \underline{\hspace{2cm}}$



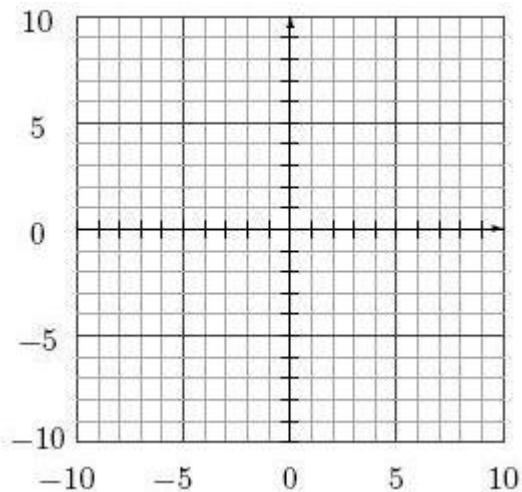
8.  $x = -3$

8.  $m = \underline{\hspace{2cm}}$      $b = \underline{\hspace{2cm}}$

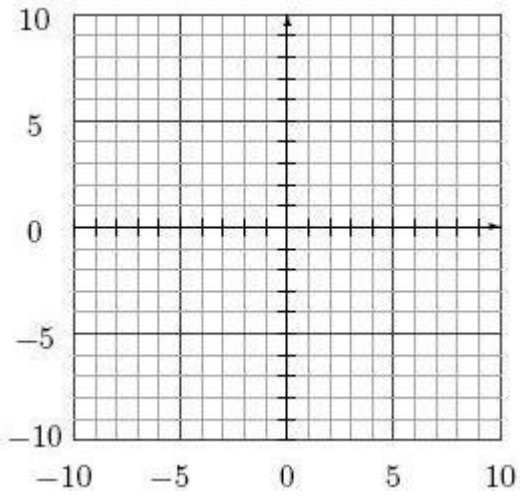


9.  $y = 5$

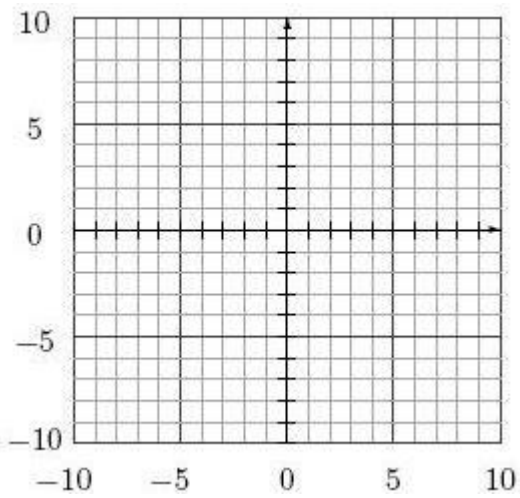
9.  $m = \underline{\hspace{2cm}}$      $b = \underline{\hspace{2cm}}$



10. Graph the line that passes through the point  $(-1,3)$  and has slope  $\frac{4}{3}$



11. Graph the line that passes through the point  $(-2,-3)$  and has slope  $-\frac{5}{4}$



12. Graph the line that passes through the point  $(2,-4)$  and has slope  $-\frac{1}{2}$

