ARRANGED HOUR FOR MATH 50

Math 50 – Section 7.1
Graphing Equations of Lines

Name_____
Instructor_____
Date_____

1. For each equation, identify the slope *m* and the y-intercept $(0, b)$.
   a. $y = -\frac{5}{3}x + 5$ slope = _____, y int. = _____

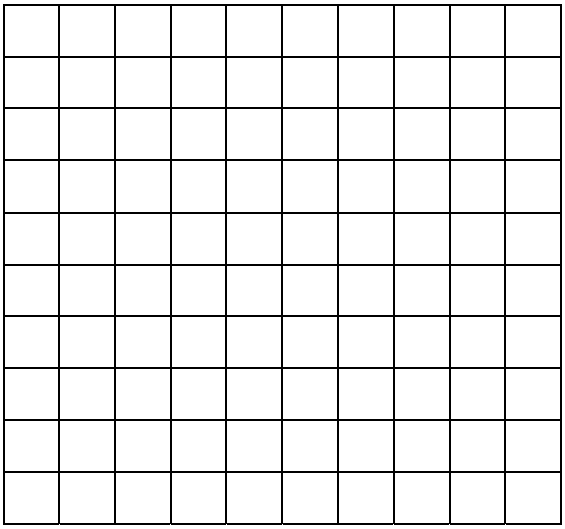
   b. $y = \frac{1}{3} - 8x$ slope = _____, y int. = _____

2. Determine which of the ordered pairs below satisfy the equation $y = 7 - 2x$. Show your work and write yes or no.
   a. $(-2, 1)$

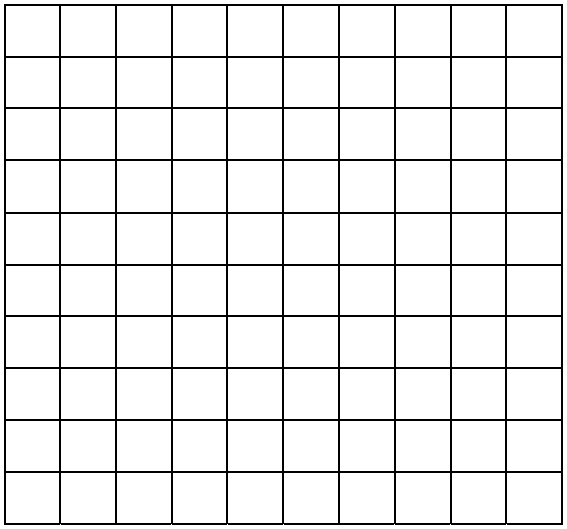
   b. $(5, 3)$

   c. $(-3,13)$

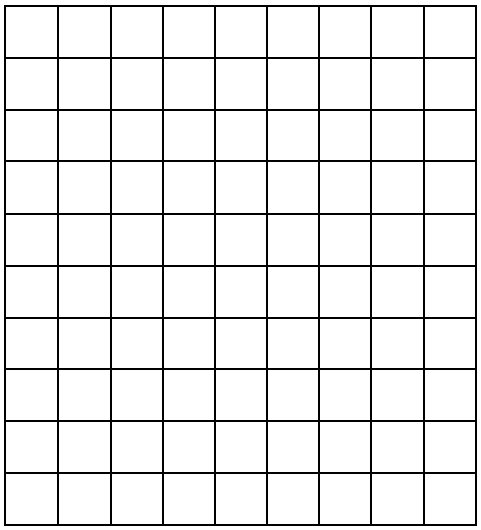
3. Graph the line $x = -3$. Draw and label your *x* and *y* axes.



4. Graph the line $y = 2$. Draw and label your *x* and *y* axes.

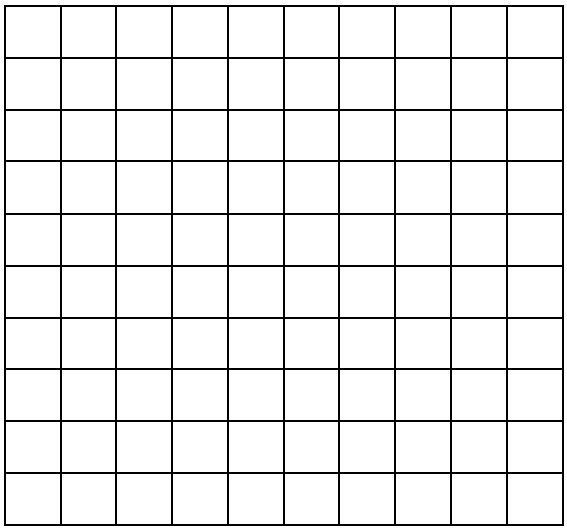


5. Graph the line $y = \frac{2}{5}x$ by using a table of values. Find at least **five points** on the line. Draw and label your *x* and *y* axes. Use an appropriate scale.



x	*y*

6. Graph the line $y = \frac{3}{4}x - 3$ by using a table of values. Find at least **five points** on the line. Draw and label your *x* and *y* axes. Use an appropriate scale.



x	*y*