

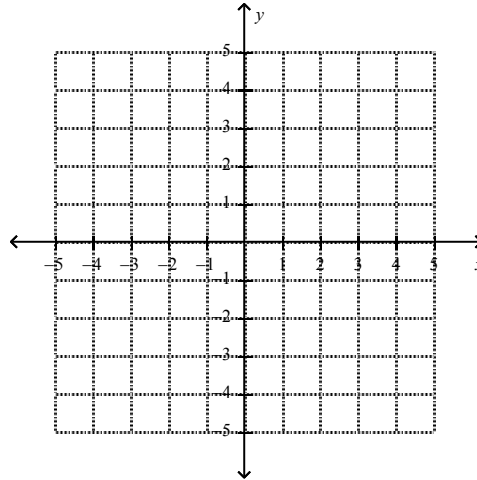
Name: _____

Class: _____

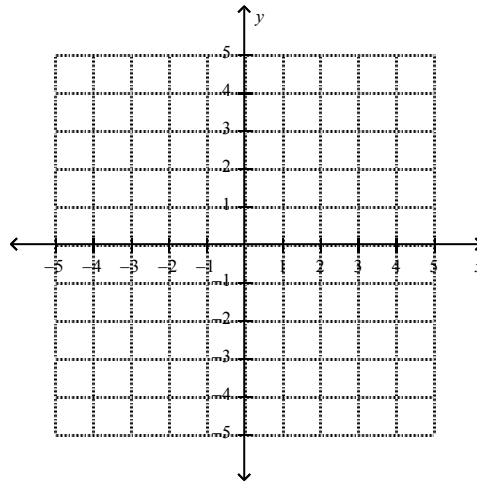
M8-U4 - HW #5 – Graphing Linear Relationships

Date: _____

1. Graph a line that goes through the following 2 points: $(0, 0)$ and $(4, 4)$

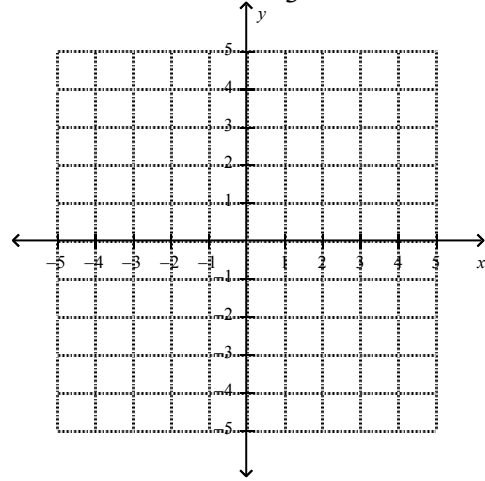
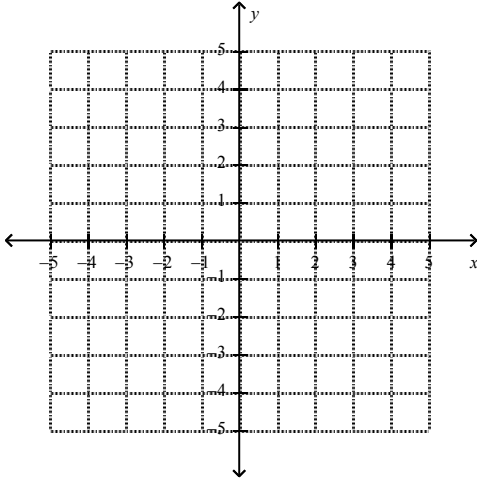


2. Graph a line that goes through the following 2 points: $(-3, -2)$, $(4, 0)$



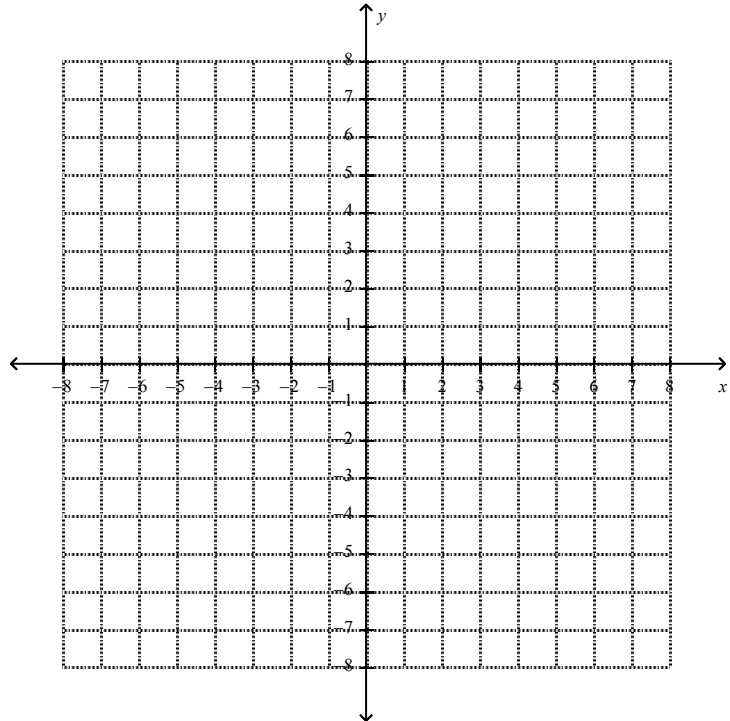
Graph a linear relationship based on information provided:

3. Given $m = -3$ and the y -intercept is $(0, -1)$. 4. Given slope of $\frac{4}{3}$ and $b = 0$



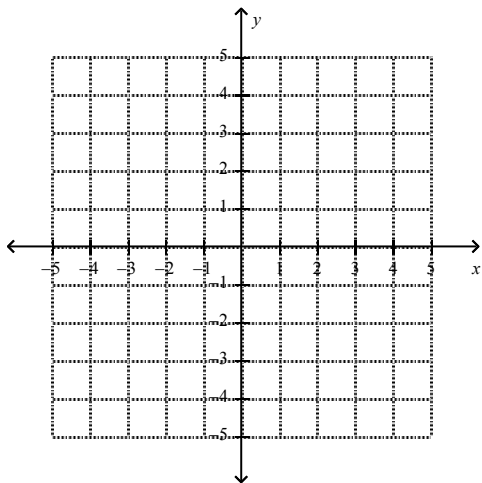
5. Using the equation: $y = 2x - 1$, complete the table below and then graph the equation.

x	y
-2	
-1	
0	
1	
2	

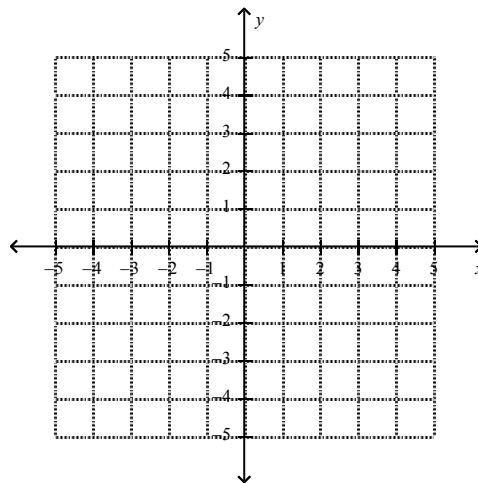


Graph the linear equations: (Hint: identify the slope and y-intercept)

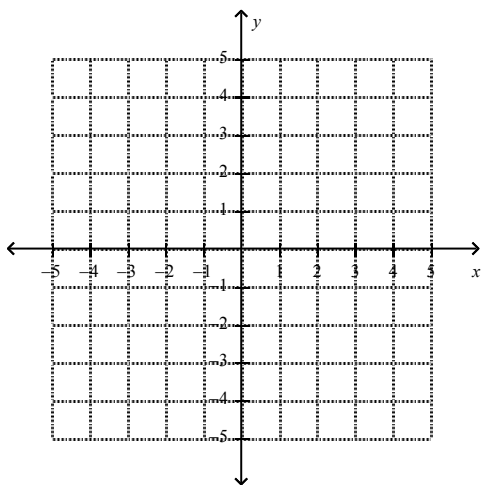
6. Graph: $y = 3x - 4$.



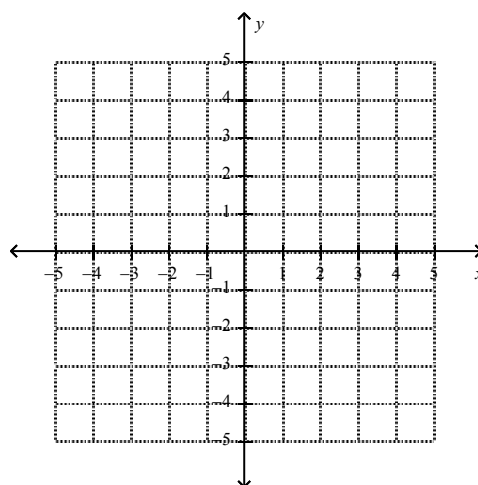
7. Graph: $y = \frac{2}{3}x - 1$



8. Graph: $y = -2x + 4$



9. Graph: $y = -\frac{1}{2}x$

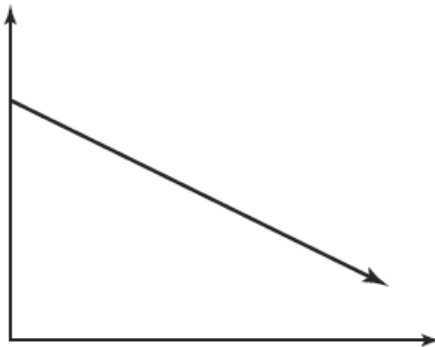


Spiral:

10. Solve the following equation $y = \frac{3}{2}x - 5$ when $y = 7$.

11. Solve for x : $\frac{x+3}{4} = \frac{2x-1}{2}$

12. Which situation is best represented by the graph below?



- A the height of a child from age ten to fifteen
- B the volume of a balloon as it is being filled with air
- C the amount of gasoline in a car's tank during a five-hour trip
- D the volume of water in a swimming pool as it is being filled