

1. Which of the given ordered pairs satisfy the given equation? Show your work, then check your answers on your graphing calculator.

$$y = 2x - 4 \quad (-3, -10), (1, -3), (2, 0)$$

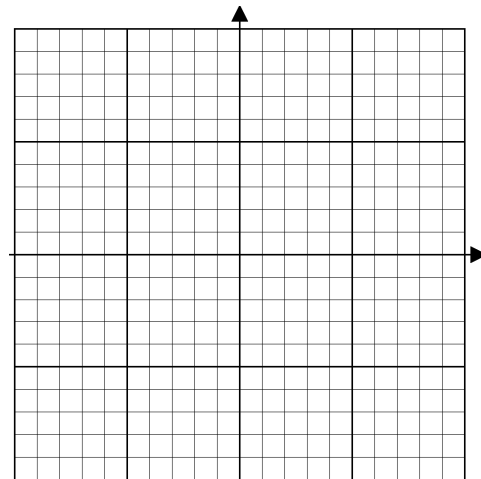
2. Use the following equation to answer the questions that follow.

$$y = \frac{1}{2}x - 3$$

a) Find the y-intercept. Write your answer as an ordered pair.

b) Make a table with at least 3 values. Then use those points to graph the equation.

x	y =



c) Find three ordered pairs that do not lie on the line. Do these points satisfy the equation?

d) Describe the solutions of $y = \frac{1}{2}x - 3$ using words.

3. Find the intersection point of the lines $y = 4x$ and $y = -5x$. Try to do this without graphing. In your group, discuss how you would go about solving this. (Your answer should be one ordered pair.)