



Graphing Linear Equations

Name _____ Period _____ Date _____

1. Which of the following is in slope-intercept form?

- a. $3x + 2y = 7$ b. $y = -4x + 3$ c. $3x = 4y + 12$ d. $x = 10y - 6$

2. Does the point (2, 2) lie on the line of $2x + 3y = 10$?

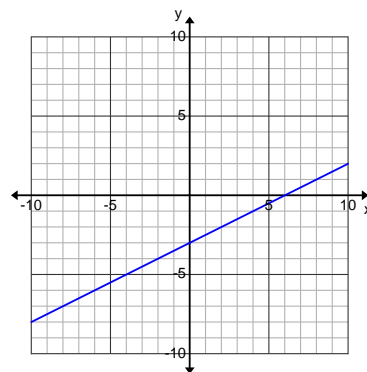
3. Create a table of values for $y = 3(2x - 1)$.

X	Y

4. How many points are needed to determine a line? Why?

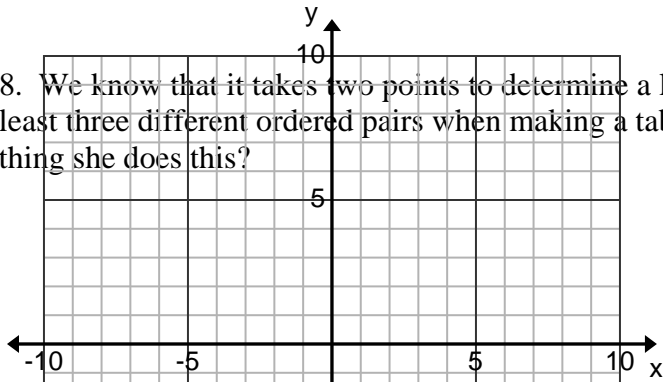
5. In your own words, describe how to find the x intercept of the equation $2x - y = 4$?

6. What is the y intercept represented by the graph?

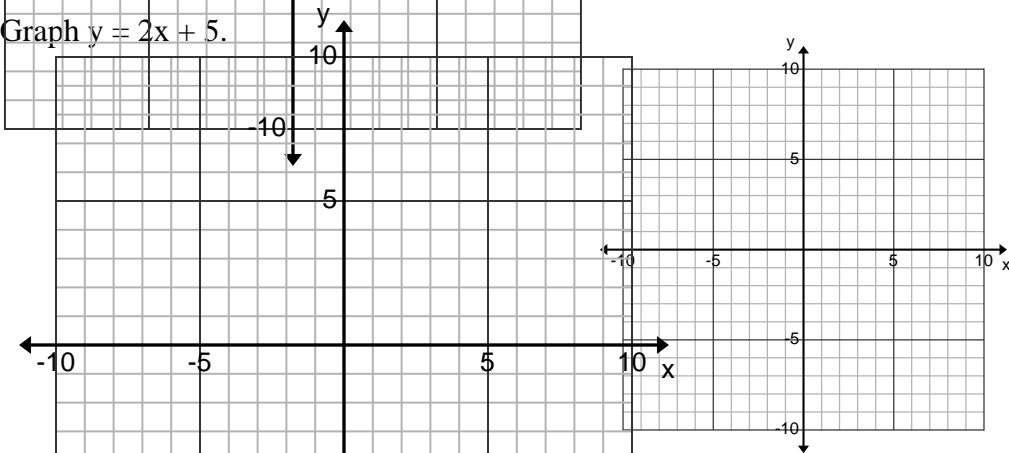


7. Consider the equation $6x + 8y = k$. What number could replace k so that the x -intercept and the y -intercept are both integers? Explain.

8. We know that it takes two points to determine a line; however, Robin always finds at least three different ordered pairs when making a table to graph an equation. Why do you think she does this?



9. Graph $y = 2x + 5$.



10. Graph $2x + 3y = 12$.

