In problems 1-3, perform the following with each equation.

A. Use a t-table to find four solutions. Find and label the x and y-intercepts.

B. Graph the equation, and give the slope of the graph.

1) $3x = 9y + 18$ 2) $4y = -12$ 3) $-5y + 2x = 4y + 10 - 9y$

Put the following equations in slope-intercept form. Graph them with their x and y-intercepts. State the slope of each graph. (Use the back of the worksheet, if necessary.)

4) $2x = -5y + 10$ 5) $3x - 4y = 24$

6) $10y = 3y + 28$ 7) $5x + 8y = 20$

8) What does it mean for value(s) to satisfy an equation?

11) What is the x-intercept? What do we always know about it?

9) What is a solution of an equation?

12) What is the y-intercept? What do we always know about it?

10) What is the graph of an equation?

13) What is slope?