Warm Up

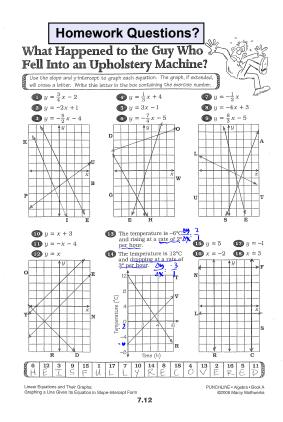
3/3

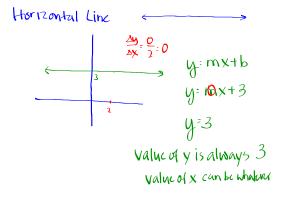
Write the following equation in slope-intercept form.

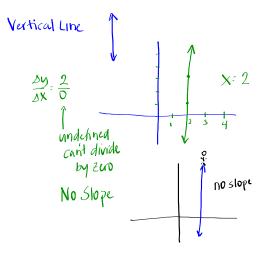
$$6x - 4y = 15$$

$$-6x - 6x$$

$$-4y = -6x + 15$$



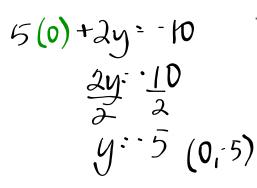


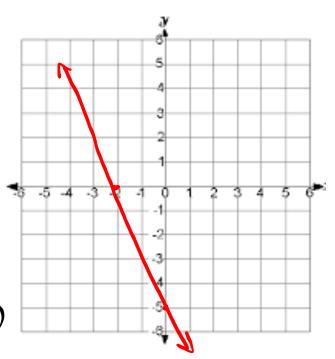


How to Graph an Equation in Standard Form

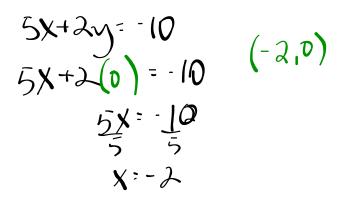
Example: 5x + 2y = -10

Step 1: Find the y-intercept by substituting zero in for x and solving for y.

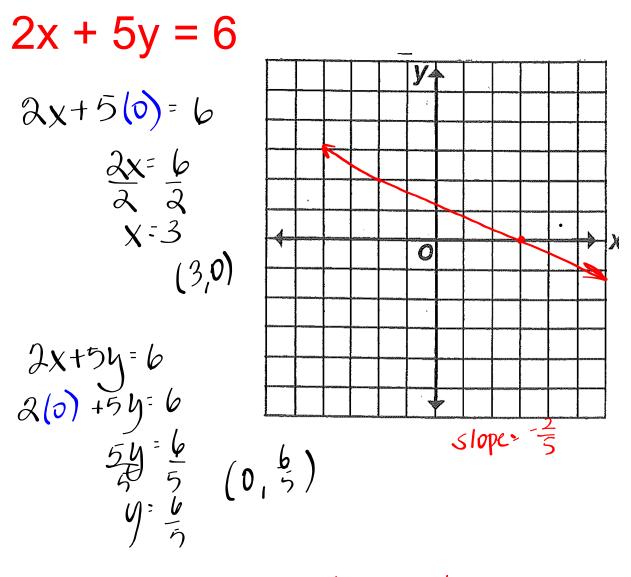




Step 2: Find the x-intercept by substituting zero in for y and solving for x.

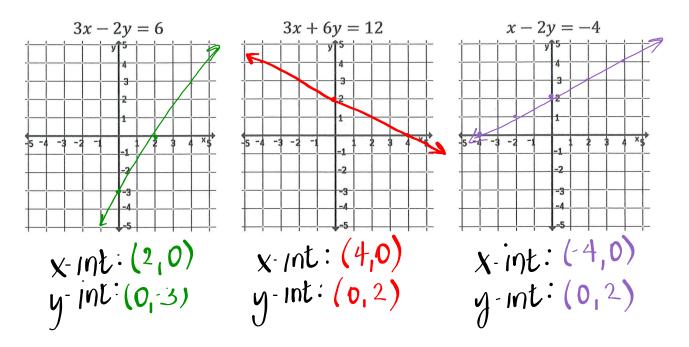


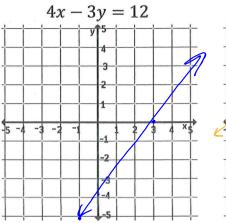
Step 3: Draw a line <u>through</u> both points with a ruler. Don't forget arrows! What if you have the following equation?

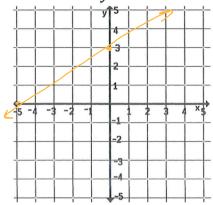


Let's find the slope: 2x + 5y = 6-2x - 2x5y: -2X+6 5 5 5 V= -2x+65

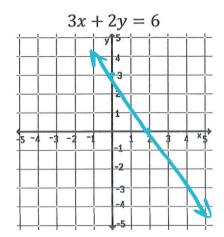
Practice Graphing:







3x - 5y = -15



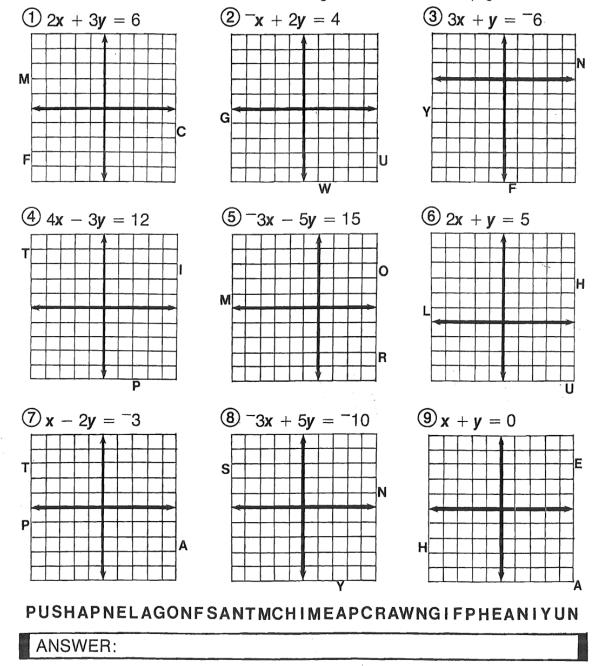
 $x \cdot 1 nt: (3,0)$ y - 1 nt: (0, 4)

x int: (-5,0)y-int: (0,3)

x - int: (2,0)y - int: (0,3)

Why Did Miss Muffet Need A Road Map?

Graph any equation below. (Let each space along the axes represent 1 unit.) The graph, if extended, will cross a letter. Look for this letter in the string of letters near the bottom of the page and CROSS IT OUT each time it appears. When you finish, write the letters that have NOT been crossed out in the rectangle at the bottom of the page.



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Homework

Finish classwork