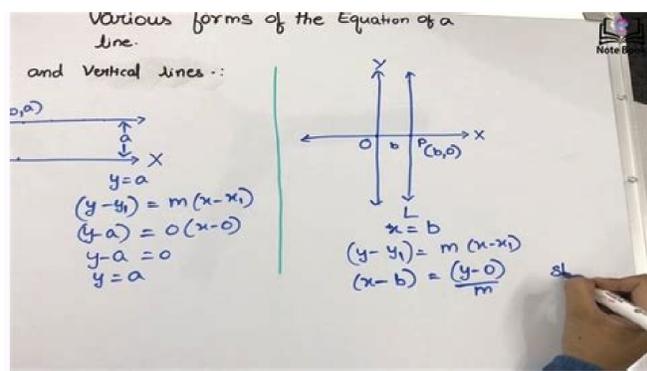


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Name: _____ Score: _____

Graphing: Two Points

Sheet 1

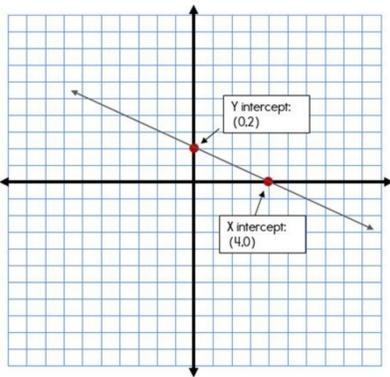
Graph the line using the given points.

1) (-2, 1) and (0, -1)	2) (1, 3) and (2, 1)	3) (6, -2) and (8, 2)
4) (4, 3) and (7, 0)	5) (-3, -3) and (2, -3)	6) (-2, 6) and (-1, 4)
7) (3, 6) and (5, 3)	8) (-2, -3) and (0, 4)	9) (-3, 3) and (5, -4)

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$2x + 4y = 8$

<p>x-intercept: Let $y = 0$</p> $2x + 4y = 8$ $2x + 4(0) = 8$ $2x + 0 = 8$ $\frac{2x}{2} = \frac{8}{2}$ $x = 4$ <p>The x intercept is: (4, 0)</p>	<p>y-intercept: Let $x = 0$</p> $2x + 4y = 8$ $2(0) + 4y = 8$ $0 + 4y = 8$ $\frac{4y}{4} = \frac{8}{4}$ $y = 2$ <p>The y intercept is: (0, 2)</p>
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Slope-Intercept Form
 $y = mx + b$

The population of Laredo, Texas, was about 215,000 in 2007. It was about 123,000 in 1990. If we assume that the population growth is constant and y represents the number of years after 1990, write a linear equation to find g , Laredo's population for any year after 1990.

$x = \text{years after 1990}$ $y = \text{population}$

$y = mx + b$

x	y
0	123,000
17	215,000

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