

1.1.1: Graphing a Linear Equation (Exercises)

SECTION 1.1 PROBLEM SET: GRAPHING A LINEAR EQUATION

Work the following problems.

1) Is the point (2, 3) on the line $5x - 2y = 4$?	2) Is the point (1, - 2) on the line $6x - y = 4$?
3) For the line $3x - y = 12$, complete the following ordered pairs. (2,) (, 6) (0,) (, 0)	4) For the line $4x + 3y = 24$, complete the following ordered pairs. (3,) (, 4) (0,) (, 0)
5) Graph $y = 2x + 3$	6) Graph $y = - 3x + 5$
7) Graph $y = 4x - 3$	8) Graph $x - 2y = 8$
9) Graph $2x + y = 4$	10) Graph $2x - 3y = 6$

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11) Graph $2x + 4 = 0$	12) Graph $2y - 6 = 0$
13) Graph the following three equations on the same set of coordinate axes. $y = x + 1$ $y = 2x + 1$ $y = -x + 1$	14) Graph the following three equations on the same set of coordinate axes. $y = 2x + 1$ $y = 2x$ $y = 2x - 1$
15) Graph the line using the parametric equations $x = 1 + 2t$, $y = 3 + t$	16) Graph the line using the parametric equations $x = 2 - 3t$, $y = 1 + 2t$

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