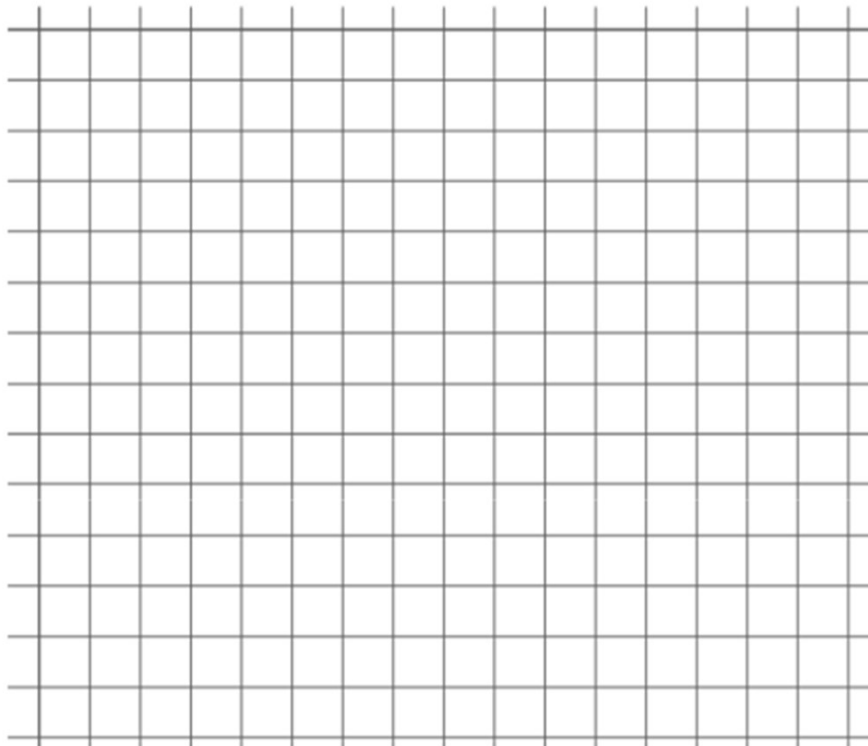# Linear Equations in Two Variables

Find three solutions for the linear equation $-x + \frac{3}{4}y = -6$, and plot the solutions as points on a coordinate plane.

x	Linear Equation: $-x + \frac{3}{4}y = -6$	y
		4

Linear Equations in Two Variables

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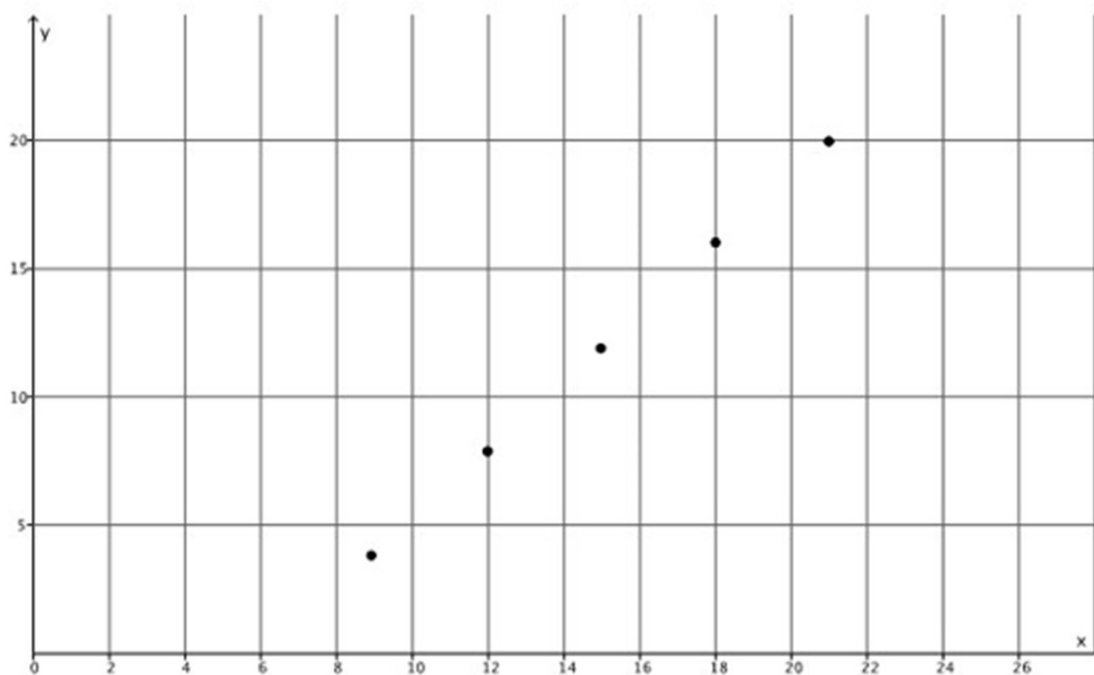| x	Linear Equation: $-x + \frac{3}{4}y = -6$	y
9	$-x + \frac{3}{4}(4) = -6$ $-x + 3 = -6$ $-x + x + 3 = -6 + x$ $3 = -6 + x$ $3 + 6 = -6 + 6 + x$ $9 = x$	4
12	$-x + \frac{3}{4}(8) = -6$ $-x + 6 = -6$ $-x + x + 6 = -6 + x$ $6 = -6 + x$ $6 + 6 = -6 + 6 + x$ $12 = x$	8
15	$-x + \frac{3}{4}(12) = -6$ $-x + 9 = -6$ $-x + x + 9 = -6 + x$ $9 = -6 + x$ $9 + 6 = -6 + 6 + x$ $15 = x$	12

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