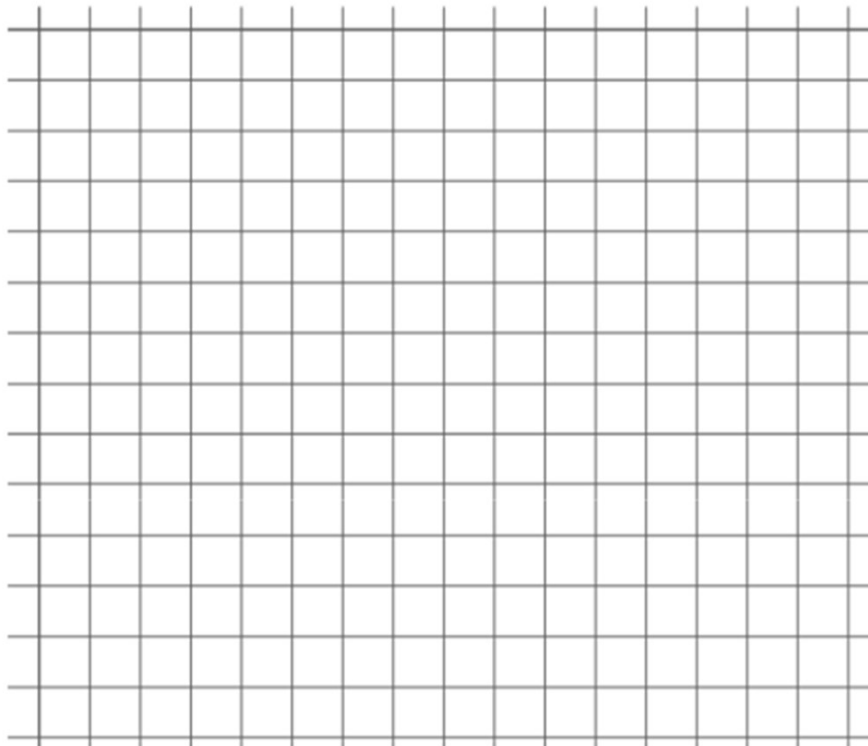


## Linear Equations in Two Variables

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

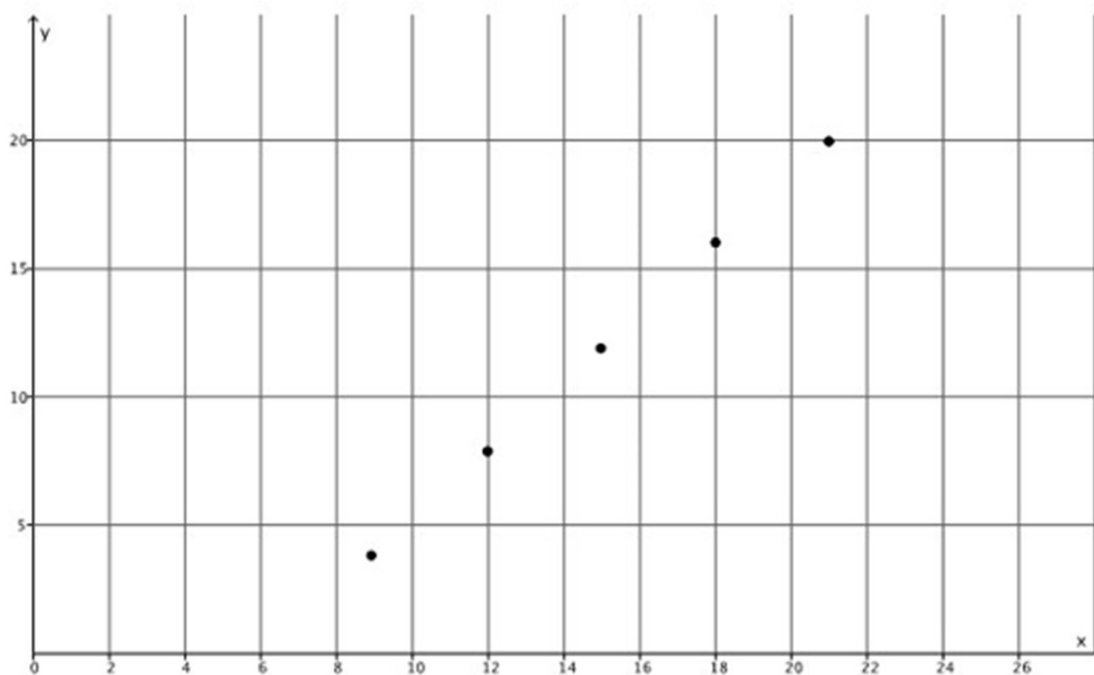


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$x$	Linear Equation: $-x + \frac{3}{4}y = -6$	$y$
9	$\begin{aligned} -x + \frac{3}{4}(4) &= -6 \\ -x + 3 &= -6 \\ -x + x + 3 &= -6 + x \\ 3 &= -6 + x \\ 3 + 6 &= -6 + 6 + x \\ 9 &= x \end{aligned}$	4
12	$\begin{aligned} -x + \frac{3}{4}(8) &= -6 \\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



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