

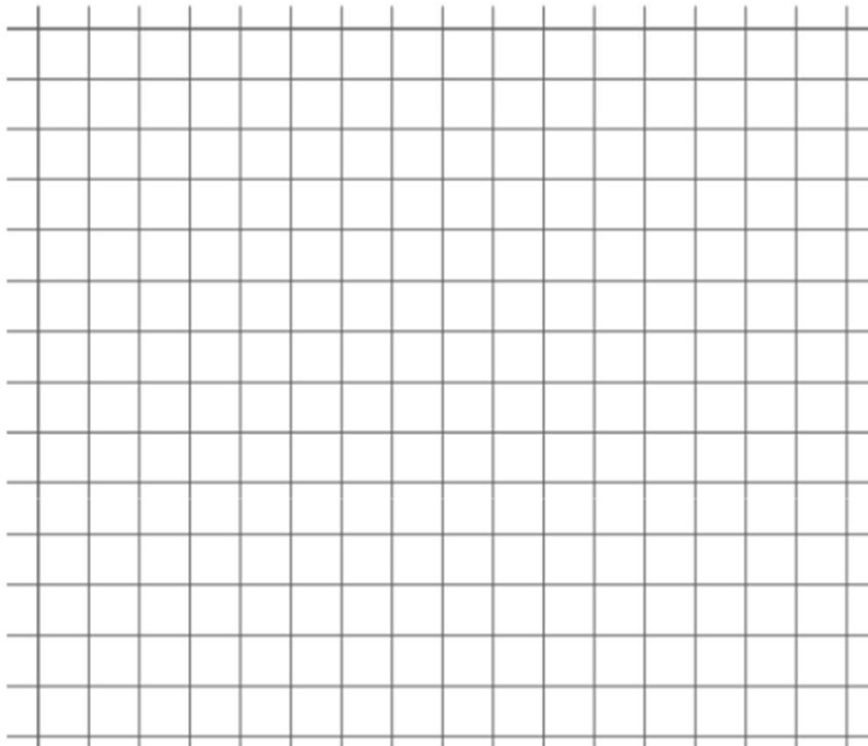
## Linear Equations in Two Variables

At the store, you see that you can buy a bag of candy for \$2 and a drink for \$1. Assume you have a total of \$35 to spend. You are feeling generous and want to buy some snacks for you and your friends.

a) Write an equation in standard form to represent the number of bags of candy,  $x$ , and the number of drinks,  $y$ , that you can buy with \$35.

b) Find three solutions to the linear equation from part (a), and plot the solutions as points on a coordinate plane.

$x$	Linear Equation:	$y$
5		
8		
10		



# Linear Equations in Two Variables

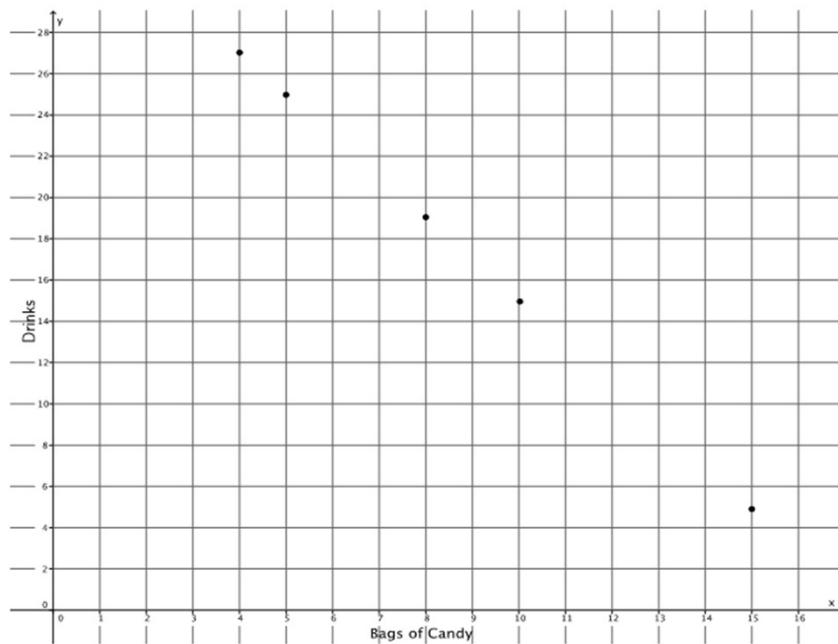
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a) Write an equation in standard form to represent the number of bags of candy,  $x$ , and the number of drinks,  $y$ , that you can buy with \$35.

$$2x + y = 35$$

b) Find three solutions to the linear equation from part (a), and plot the solutions as points on a coordinate plane.

$x$	Linear Equation: $2x + y = 35$	$y$
<b>5</b>	$2(5) + y = 35$ $10 + y = 35$ $y = 25$	<b>25</b>
<b>8</b>	$2(8) + y = 35$ $16 + y = 35$ $y = 19$	<b>19</b>
<b>10</b>	$2(10) + y = 35$ $20 + y = 35$ $y = 15$	<b>15</b>



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