

Learning Goal

I can:

- Find the value of **y** when I know **x**
 - Write an ordered pair **(x, y)**
 - Graph points to make a straight line
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Instructions

1. Roll a **dice** to get a value for **x**
 2. Substitute **x** into the equation
 3. Solve to find **y**
 4. Write the ordered pair **(x, y)**
 5. You will graph your points at the end
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Worked Example

Equation:

$$y = x + 2$$

Dice roll: $x = 3$

Substitute:

$$y = 3 + 2$$

Solve:

$$y = 5$$

Ordered pair: **(3, 5)**

Question 1

Equation: $y = x + 1$

x (dice roll)	Work	y	Ordered Pair
___	$y = __ + 1$	___	(___, ___)
___	$y = __ + 1$	___	(___, ___)
___	$y = __ + 1$	___	(___, ___)

Question 2

Equation: $y = x + 3$

x	Work	y	Ordered Pair
___	$y = __ + 3$	___	(___, ___)
___	$y = __ + 3$	___	(___, ___)
___	$y = __ + 3$	___	(___, ___)

Question 3

Equation: $y = 2x$

x	Work	y	Ordered Pair
___	$y = 2 \times __$	___	(___, ___)
___	$y = 2 \times __$	___	(___, ___)
___	$y = 2 \times __$	___	(___, ___)

Question 4

Equation: $y = 2x + 1$

x	Work	y	Ordered Pair
___	$y = 2(\text{___}) + 1$	___	(___, ___)
___	$y = 2(\text{___}) + 1$	___	(___, ___)
___	$y = 2(\text{___}) + 1$	___	(___, ___)

Question 5

Equation: $y = x - 2$

x	Work	y	Ordered Pair
___	$y = \text{___} - 2$	___	(___, ___)
___	$y = \text{___} - 2$	___	(___, ___)
___	$y = \text{___} - 2$	___	(___, ___)

Question 6

Equation: $y = 3x - 1$

x	Work	y	Ordered Pair
___	$y = 3(\text{___}) - 1$	___	(___, ___)
___	$y = 3(\text{___}) - 1$	___	(___, ___)
___	$y = 3(\text{___}) - 1$	___	(___, ___)
