


Solving Multi-Step Equations

Directions: Solve each multi-step equation. Use your answer to navigate through the maze. Show your work.

START $2x - 4 = x + 6$	$10 + 3x = 5 - 2x$	$-\frac{x}{4} - 2 = x + 3$	$1 - 3x = 4x - 6$
$x = 10$	$x = -1$	$x = -4$	
$x = 2$	$x = 1$	$x = -1$	$x = 1$
$4x + 1 = 2x + 3$	$5x + \frac{x}{2} = 11$	$4x - 5x = 12 - 5$	$2 - \frac{x}{3} = 6 - x$
$x = -1$	$x = -7$	$x = 6$	
$x = 1$	$x = 2$	$x = \frac{1}{2}$	$x = -3$
$-2(x + 6) = 2$	$12 + \frac{20}{x} = 10$	$4x - 1 = 6x + 3$	$-2(x + 2) = -12$
$x = -7$	$x = -10$	$x = -4$	
$x = 12$	$x = 10$	$x = -2$	$x = 2$
$6x - 5 = \frac{x}{2}$	$\frac{2x}{3} = x - 6$	$2x + \frac{x}{4} = x + 5$	
$x = \frac{10}{11}$	$x = 18$	$x = 4$	