

Solving Multi-Step Equations

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

START

$2x - 4 = x + 6$ $10 + 3x = 5 - 2x$ $-\frac{x}{4} - 2 = x + 3$ $1 - 3x = 4x - 6$

$x = 10$ $x = -1$ $x = -4$

$x = 2$ $x = 4$ $x = 1$ $x = -4$ $x = -1$ $x = -1$ $x = 1$

$4x + 1 = 2x + 3$ $5x + \frac{x}{2} = 11$ $4x - 5x = 12 - 5$ $2 - \frac{x}{3} = 6 - x$

$x = -1$ $x = -7$ $x = 6$

$x = 1$ $x = 2$ $x = 11$ $x = \frac{1}{2}$ $x = 2$ $x = -3$

$-2(x + 6) = 2$ $12 + \frac{20}{x} = 10$ $4x - 1 = 6x + 3$ $-2(x + 2) = -12$

$x = -7$ $x = -10$ $x = -4$

$x = 12$ $x = 10$ $x = 12$ $x = -2$ $x = -1$ $x = 2$

$6x - 5 = \frac{x}{2}$ $\frac{2x}{3} = x - 6$ $2x + \frac{x}{4} = x + 5$

$x = \frac{10}{11}$ $x = 18$ $x = 4$

Good Job!

The End