

Solving Two-Step Equations

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

START
 $2x - 4 = 10$
 $x = 7$
 $x = -7$
 $4x + 1 = 12$
 $x = -1$
 $x = 6$
 $-2x + 6 = 2$
 $x = 2$
 $x = -2$
 $2x - 5 = 12$
 $x = 7$

$20 + 3x = 23$
 $x = 2$
 $x = 1$
 $1 - \frac{x}{2} = -1$
 $x = -2$
 $x = 2$
 $12 + \frac{20}{x} = 10$
 $x = -10$
 $x = 10$
 $\frac{2x}{-12} = -6$
 $x = 36$

$\frac{x}{3} - 10 = -7$
 $x = 2$
 $x = -1$
 $4 - 5x = 9$
 $x = -1$
 $x = -\frac{1}{2}$
 $-14x - 1 = 6$
 $x = -4$
 $x = 2$
 $23 + 11x = 1$
 $x = -2$

$32 - 3x = 8$
 $x = 9$
 $x = \frac{1}{2}$
 $2 - \frac{12}{x} = 6$
 $x = 3$
 $x = -2$
 $-2(x + 2) = -12$
 $x = -3$
 $x = -3$

Good Job!
The End

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