

Full Name: _____ Date: _____

Two Step Equations

Solving two-step equations

Step 1: ADD (+) or SUBTRACT (−) _____.

Step 2: MULTIPLY (×) or DIVIDE (÷) _____.

Example 1: Solve the equation $3x - 8 = 10$ for x. Check solution:

solution:

Example 2: Solve the equation $\frac{x}{4} - 10 = 12$ for x. Check solution:

solution:

Example 3: Solve the equation $\frac{-z}{3} = 10$ for z. Check solution:

solution:

Example 4: Solve the equation $\frac{-z}{3} + 6 = 10$ for z. Check solution:

solution:

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DO NOW!

Solving two-step equations.

(1) $4h + 6 = 20$

(2) $3n - 8 = 4$

solution:

(3) $6x + 2 = 32$

solution:

(4) $4 + 6x = 16$

solution:

(5) $3x + 8 = 5$

solution:

(6) $6x - 4 = -10$

solution:

(7) $7x + 2 = -68$

solution:

(8) $-2x + 3 = 11$

solution:

(9) $-4x + 4 = -12$

solution:

(10) $-7x - 3 = -24$

solution:

(11) $5 - 3x = 8$

solution:

(12) $10 = 4 - 6x$

solution:

(13) $\frac{x}{6} - 3 = -11$

solution:

(14) $-\frac{x}{3} + 4 = -6$

solution:

(15) $4(x - 1) = 24$

solution:

(16) $-5(x + 1) = 20$

solution:

solution: