

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)  $4h + 6 = 20$

solution:

(3)  $6x + 2 = 32$

solution:

(5)  $3x + 8 = 5$

solution:

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

solution:

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

solution:

(11)  $5 - 3x = 8$

solution:

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

solution:

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

solution:

(2)  $3n - 8 = 4$

solution:

(4)  $4 + 6x = 16$

solution:

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

solution:

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

solution:

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

solution:

(12)  $10 = 4 - 6x$

solution:

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

solution:

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

solution: