

Name: _____

Two-Step Equations

Balance both sides of the equation by using inverse operations to get the variable alone and find its value.

examples:

$$2x + 5 = 21$$
$$\underline{-5} \quad \underline{-5}$$

$$\underline{2x} = \underline{16}$$
$$\underline{2} \quad \underline{2}$$

$$\underline{x = 8}$$

$$5 + \frac{y}{6} = 13$$
$$\underline{-5} \quad \underline{-5}$$

$$(6) \frac{y}{6} = 8 (6)$$

$$\underline{y = 48}$$

*Be sure to make the same change to **both** sides of the equal sign.

Solve each equation to find the value of the variable.

1. $\frac{x}{4} - 3 = 2$

2. $3a + 4 = 16$

3. $\frac{c}{2} - 5 = 25$

4. $8b + 5 = 29$

5. $5d - 11 = 24$

6. $\frac{e}{4} - 2 = 5$
