

Golden Rule

What you do to one side of an equation, you must do to the other!

Solving Two-Step Equations

1. $4x + 1 = 5$

$4x + 1 - 1 = 5 - 1$

$4x = 4$

$x = 1$

3. $3x + 7 = -5$

$3x + 7 - 7 = -5 - 7$

$3x = -12$

$x = -4$

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

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

$\frac{x}{2} = 4$

$x = 8$

7. $\frac{d}{12} + 25 = 29$

$\frac{d}{12} + 25 - 25 = 29 - 25$

$\frac{d}{12} = 4$

$d = 48$

2. $1 = 2r + 9$

$1 - 9 = 2r + 9 - 9$

$-8 = 2r$

$-4 = r$

4. $2 = 6h + 20$

$2 - 20 = 6h + 20 - 20$

$-18 = 6h$

$-3 = h$

6. $7 - 4y = 19$

$7 - 4y - 7 = 19 - 7$

$-4y = 12$

$y = -3$

8. $-2g - 63 = 47$

$-2g - 63 + 63 = 47 + 63$

$-2g = 110$

$g = -55$

Homework: "Books Never Written" wkst.

Adapted: "Books Never Written" wkst. Top 4 rows only

Hour: _____

Name: _____