

Warm Up

$$\begin{aligned} 1. \quad x + 6 &= 10 \\ x + 6 - 6 &= 10 - 6 \\ x &= 4 \end{aligned}$$

$$\begin{aligned} 3. \quad \cancel{2}x &= 15 \\ \cancel{2} \quad \cancel{2} & \\ x &= \frac{15}{2} \end{aligned}$$

$$\begin{aligned} 2. \quad \frac{3x}{3} &= \frac{21}{3} \\ x &= 7 \end{aligned}$$

$$\begin{aligned} 4. \quad \frac{-3x}{-3} &= \frac{27}{-3} \\ x &= -9 \end{aligned}$$

## Solutions

1.  $x + 6 = 10$

3.  $2x = 15$

2.  $3x = 21$

4.  $-3x = 27$

## Division

$$1. \quad \frac{x}{2} = 6 \quad 2 \left( \frac{x}{2} \right) = 2(6)$$

$$x = 12$$

$$2. \quad \frac{b}{-5} = 8$$

$$(-5) \left( \frac{b}{-5} \right) = -5(8)$$

$$b = -40$$

Looking Ahead...

$$2x + 5 = 7$$

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

$$x = 1$$

LS	RS
$2x + 5$	7
$2(1) + 5$	
7	

$$LS = RS \therefore x = 1$$

Homework...

Complete worksheets 1-5