## Warmup:

## Solve for x:

## Homework Check:

**17.** 
$$r = 13$$
 or  $r = 3$ 

**18.** 
$$c = 2$$
 or  $c = -10$ 

**19.** 
$$g = -1$$
 or  $g = -5$  **27.**  $y = 3$  or  $y = 0$ 

**20.** 
$$m = 1$$
 or  $m = -5$ 

21. no solution

**22.** 
$$w = 2$$
 or  $w = -2$ 

**23.** 
$$v = 6$$
 or  $v = 0$ 

**24.** 
$$d = 0$$
 or  $d = -8$ 

**25.** 
$$f = 1.5$$
 or  $f = -2$ 

**26.** no solution

**27.** 
$$y = 3$$
 or  $y = 0$ 

**28.** 
$$x = 1$$
 or  $x = -5$ 

**29.** no solution

**30.** 
$$n = 2$$
 or  $n = -2$ 

**31.** no solution

## Literal Equations - Equations that contain more then one variable

Solve for W:

$$A = 2L + W$$

Solve for x:

$$y = 5x - 6$$

Solve for y: 
$$2x - 3y = 8$$

$$-2x$$

$$-3y = 8 - 2x$$

$$-3 - 3$$

$$-3y = 8 - 2x$$

$$-3 - 3$$

$$-3y = 8 - 2x$$

$$-3 - 3$$

$$-3y = 8 - 2x$$

$$-3x - 3$$

$$-3x - 3 -$$

Solve for b: 
$$A = \frac{1}{2}hb + c$$

Solve for  $\underline{r}: V = 5r^2h$ 
 $A - c = \frac{1}{2}hb$ 
 $A - c =$ 

Solve for y: 
$$C = \frac{4}{3}y - b$$
 Solve for z:  $x = \frac{yz}{6}$ 

$$(\frac{3}{4})(\frac{1}{4}) + \frac{1}{3}y + \frac{1}{$$

$$|r-8|=5$$
 $r-8=5$ 
 $r=13$ 
 $r=13$ 

al) 
$$(-2)|7d| = 14$$
  
 $|7d| = -7$   
No Solution

$$36$$
)  $|3t-2|+6=2$   
 $|3t-2|=-4$   
No Solution