

Warm-Up

February 4, 2016



A. $-4p - 9 = -49$

$$-4p \boxed{-9+9} = -49+9$$

$$\frac{-4p}{-4} = \frac{-40}{-4}$$

$$p = 10$$

Check/Verify

Left \neq Right

$$-4p - 9 \quad | \quad -49$$

$$-4(10) - 9$$

$$-40 - 9$$

$$-49$$

$$= -49$$



B. $\frac{r}{4} + 3 = 7.2$

$\frac{r}{4} + 3 - 3 = 7.2 - 3$

$\frac{r}{4} = 4.2$ (4)

$r = 16.8$

Check

L	R
$\frac{r}{4} + 3$	$= 7.2$
$\frac{16.8}{4} + 3$	
$4.2 + 3$	
7.2	$= 7.2$
	✓

Homework

8?????

Questions???

10??????

$$7 - \frac{3x}{8} = 15$$

$$\boxed{7-7} - \frac{3x}{8} = 15-7$$

$$\cancel{8} - \frac{3x}{\cancel{8}} = 8(8)$$

$$\frac{-3x}{-3} = \frac{64}{-3}$$

$$x = \frac{-64}{3}$$

$$x = -21.\bar{3}$$

Remember the distributive property...

Polynomials: Write the simplified expression.

$$-2(x-4)$$

$$-2x + 8$$

Solve the Equation: Remove the Brackets!

$$-2(2-x) = -6$$

$$-4 + 2x = -6$$

$$\boxed{-4+4} + 2x = -6 + 4$$

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

$$x = -1$$

Check	
L	R
$-2(2-x)$	-6
$-2(2-(-1))$	
$-2(3)$	
-6	✓

$$13.2 = 2(3.7 + w)$$

$$2(3.7 + w) = 13.2$$

$$7.4 + 2w = 13.2$$

$$\boxed{7.4 - 7.4} + 2w = 13.2 - 7.4$$

$$\frac{2w}{2} = \frac{5.8}{2}$$

$$w = 2.9$$

Check/Verify

L	R
$2(3.7 + w)$	13.2
$2(3.7 + 2.9)$	
$2(6.6)$	
13.2	

$$4 - x = -16$$

$$\boxed{4-4} - x = -16 - 4$$

$$\begin{aligned} -x &= -20 \\ x &= 20 \end{aligned}$$

$$\begin{aligned} \cancel{A}x &= \frac{-20}{-1} \\ x &= 20 \end{aligned}$$

$$2x = 15$$

$$8 + \frac{b}{-4} = 5$$

$$\boxed{8 - 8} + \frac{b}{-4} = 5 - 8$$

$$\begin{aligned} \cancel{4} \frac{-b}{\cancel{4}} &= -3(4) \\ -b &= -12 \\ b &= 12 \end{aligned}$$

$$\begin{aligned} \cancel{(-4)} \frac{b}{\cancel{-4}} &= -3(-4) \\ b &= 12 \end{aligned}$$

$$-9(10+x) = -243$$

$$-90 - 9x = -243$$

$$\boxed{-90+90} - 9x = -243 + 90$$

$$\frac{-9x}{-9} = \frac{-153}{-9}$$
$$x = 17$$

$$\cancel{(11)} \frac{-4 + x}{\cancel{11}} = -2 \quad (11)$$

$$-4 + x = -22$$

$$\boxed{-4+4} + x = -22 + 4$$

$$x = -18$$

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Worksheet Even questions only

*****DO NOT WRITE ON
SHEET ***

*** focus on STEPS!**

