

Warm-Up

February 6, 2017

$$-4p - 9 = -49$$



Check/Verify

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

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

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

$$p = 10$$

Left	Right
$-4p - 9$	-49
$-4(10) - 9$	✓
$-40 - 9$	
-49	-49

B.

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

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

$$\cancel{4} \frac{r}{\cancel{4}} = 4.2 \cancel{4}$$

$$r = 16.8$$

$$3.1 - 0.2a = 1.5$$

$$\boxed{\cancel{3.1 - 3.1}} - 0.2a = 1.5 - 3.1$$

$$\frac{\cancel{-0.2a}}{\cancel{-0.2}} = \frac{-1.6}{-0.2}$$

$$a = 8$$

$$-3a + 4 = -17$$

$$-3a + \boxed{4-4} = -17 - 4$$

$$\frac{-3a}{-3} = \frac{-21}{-3}$$

$$a = 7$$

Check

Left	Right
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$-3a + 4$	-17
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$-3(7) + 4$	
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$-21 + 4$	
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-17	
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✓
Bedmas

Remember the distributive property...

Polynomials: Write the simplified expression.

$$\begin{array}{l} -2(x-4) \\ -2x+8 \end{array}$$

Solve the Equation: Remove the Brackets!

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

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

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

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

$$x = -1$$

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

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

$$7.4 + 2w = 13.2 \quad \leftarrow$$

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

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

$$w = 2.9$$

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

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

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

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

$$x = 17$$

$$4 - x = -16$$

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

$$\frac{-x}{-1} = \frac{-20}{-1}$$

$$x = 20$$

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

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

$$\cancel{(-4)} \frac{b}{\cancel{-4}} = -3(-4)$$

$$b = 12$$

Homework

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Worksheet Even Questions Only

