

# Warm-Up

February 7, 2018



**BEDMAS**  
**Check/Verify**

A.  $-4p - 9 = -49$  ←

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

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

$$p = 10$$

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

B.

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

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

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

$$r = 16.8$$

$$3.1 - 0.2a = 1.5 \quad -0.2a + 3.1 = 1.5$$

check [BEDMAS]

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

L	R
$3.1 - 0.2a$	$1.5$
$3.1 - 0.2(8)$	
$3.1 - 1.6$	
$1.5$	$= 1.5 \checkmark$

$$-0.2a = -1.6$$

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

$$a = 8$$

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

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

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

$$a = 7$$

Check BEDMAS

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

$$\cancel{(4)} \frac{x}{4} = \frac{6(4)}{7}$$

$$x = \frac{24}{7}$$

$$x = 3\frac{3}{7}$$

$$4p - 3 = 0$$

$$4p \boxed{-3+3} = 0+3$$

$$\frac{4p}{4} = \frac{3}{4}$$

$$p = 0.75$$

$$A. \quad 7a - 2 = -72$$

$$7a - \boxed{2 + 2} = -72 + 2$$

$$\frac{7a}{7} = \frac{-70}{7}$$

$$a = -10$$

$$B. \quad -53 = 6x + 7$$

$$6x + 7 = -53$$

$$6x + \boxed{7 - 7} = -53 - 7$$

$$\frac{6x}{6} = \frac{-60}{6}$$

$$x = -10$$

$$c) \frac{r}{4} - 2 = 4$$

$$\frac{r}{4} - \boxed{2+2} = 4+2$$

$$\frac{r}{4} = 6^{(4)}$$

$$r = 24$$

$$d) \frac{\cancel{3}c}{\cancel{4}} = 15^{(4)}$$

$$\frac{3c}{3} = \frac{60}{3}$$

$$c = 20$$



$$2(5K - 4) = -22$$

$$10K - 8 = -22$$

$$10K - 8 + 8 = -22 + 8$$

$$\frac{10K}{10} = \frac{-14}{10}$$

$$K = \frac{-14}{10}$$

$$K = -1.4$$

$$f) \cancel{15} = 5^{(c)}$$

$$15 = 5c$$

$$\frac{5c}{5} = \frac{15}{5}$$

$$c = 3$$

1. Page 273 #8,

2. Worksheets even questions only

Page 513

Do NOT MARK ON SHEETS!

3. Page 273 10, 18

Page 272  
#8

*Page 513*

SHOW ALL STEPS

Practice The Steps!

Worksheets

Even Questions ONLY!!!

Do Not MARK ON SHEETS!

\*Equations can also contain brackets.

\*If you remember from the unit on polynomials, this requires we use the distributive property.

\*Every term in the bracket is multiplied by the number in front of the bracket.

(This number could even be a fraction or decimal).

**Polynomials: Write the simplified expression.**

$$-2(x-4)$$

Solve the Equation: **Remove the Brackets!**

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

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

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

$$4 - x = -16$$



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

# Homework

Page 273 #10, 18

Worksheet Even Questions Only

