

**Day 1 Homework**  
Principles

Name: \_\_\_\_\_  
Pd: \_\_\_\_\_ Date: \_\_\_\_\_

*OBJECTIVE: To solve algebraic equations.*

**SHOW ALL WORK!**

**Rapid Review. Multiple Choice. Select the best answer.**

1.) Simplify.  $-4(3 + 2x) + 5x$

2.) Determine if the answer is positive, negative, zero or undefined.

**8 - 23**

a.)  $-3x - 12$

c.)  $-15x$

a.) Positive

c.) Negative

b.)  $-13x - 12$

d.)  $5x - 20$

b.) Zero

d.) Undefined

**For #'s 3 - 8, solve each equation, and then check your solution. Circle your final answer.**

3.)  $x + 7 = 12$       Check:

4.)  $b - 14 = -3$       Check:

5.)  $3x = 27$       Check:

6.)  $-65 = 13u$       Check:

7.)  $\frac{n}{-11} = -7$       Check:

8.)  $8 = \frac{y}{9}$       Check:

For #'s 9 – 14, solve each equation, and then check your solution. Circle your final answer

9.)  $-2 = z + 6$

Check:

10.)  $n - 72 = 72$

Check:

11.)  $-6a = -30$

Check:

12.)  $\frac{x}{7} = 5$

Check:

13.)  $4y = -52$

Check:

14.)  $p - 24 = -53$

Check: