

Name:

## Quarter 1 Review – Day 1

**Objective: Number Systems** – I can identify numbers with the correct number set.

Natural/Counting examples: 1, 2, 3, 4, 5, ...

Whole Number examples: 0, 1, 2, 3, 4, 5, ... "Add a whole"

Integer examples: ..., -4, -3, -2, -1, 0, 1, 2, ...

Rational examples:  $\frac{1}{2}$ ,  $-\frac{3}{4}$ , 0.75, -0.5

Irrational examples:  $\sqrt{7}$ ,  $\pi$

(1-3) Identify the number set the number belongs to.

1.  $\sqrt{11}$

Irrational

2.  $\frac{2}{3}$

Rational

3. -8

Integer

**Objective: Order of Operations** – I can simplify expressions using the Order of Operations.

Remember: **PEMDAS**

(4-5) Simplify the expression.

4.  $5 \times 4 - 12 \div 3$

$20 - 4$

$16$

5.  $8[(42 \div 6) + 3]$

$8[7 + 3]$

$8[10]$

$80$

**Objective: Solve Multi-Step Equations** – I can solve multi-step equations by combining like terms and isolating the variable.

Remember: **COMBINE LIKE TERMS!!**

(6-7) Solve for the given variable.

6.  $2p - 5 = 9$

$+5 +5$

$\frac{2p}{2} = \frac{14}{2}$

$p = 7$

7.  $-5m + 4 + 13m = 36$

$8m + 4 = 36$

$-4 -4$

$\frac{8m}{8} = \frac{32}{8}$

$m = 4$