Algebra 1 Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Equation Review Date \_\_\_\_\_\_\_\_\_\_\_\_ Hour \_\_\_\_\_\_\_

**Learning Target 1 - I can solve multi-step equations.**

Follow these steps:

* Use distributive property (if there are parentheses).
* Combine like terms.
* Add or subtract a number/term from both sides of the equation.
* Multiply or divide by a number/term on both sides of the equation.

Solve and check each equation.

 1) **r + 11 + 8r = 29** 2) **5m + 3 = 5m – 9**

3) **30 = -5(6x + 6)** 4) **-3(y + 5) + 5 = -3y - 10**

**Learning Target 2 - I can write and solve equations to solve problems.**

Write and solve an equation for each problem.

Follow these steps:

* Define a variable.
* Write and solve the equation. (Draw a picture and/or follow the model from your notes!)
* Check your solution.

5) Meghan wants to buy some DHS sweatshirts for Christmas presents. Each sweatshirt

 costs $14.99. She has $150.00 to spend. How many sweatshirts can she buy?

6) The length of a rectangle is 7 feet longer than the width. The perimeter of the rectangle is

 58 feet. Find the length and width of the rectangle. (Draw it out!)

7) The length of a rectangle is three times the width. The perimeter of the rectangle is

 96 in. Find the length and width of the rectangle. (Draw it out!)

8) The sum of three consecutive integers is 503. Find both integers.

9) The sum of two consecutive even integers is -142. Find both integers.