***Solving One-Step Equations Using Multiplication and Division*** (Notes for Thursday, 8/22):

***Example 1***: = 6 ***Example 2***: 8a = -32 ***Example 3***: - 4y = 36

***Example 4***: - 3 = ***Example 5***: 81 = - 9c ***Example 6***: - 4x = - 44

***Example 7***: - 6m = 20 ***Example 8***: - 16 = ***Example 9***: 10 =

***Example 10***: What is the first step in solving the following equation: 7x = 343

***Example 11***: Is 188 a solution to the following equation: = 47

***Example 12***: Suppose you work as a carpenter’s apprentice. You earn $93.50 for working 17 hours.

What is your hourly wage? Write the equation and solve.

***Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***

***Example 13***: Corey saves $32 of his weekly paycheck for his college education. This is of his weekly

salary. How much does he earn each week? Write the equation and solve.

***Equation:* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

***Example 14:*** The product of a number and 15 is – 270. Find the number by writing an equation

and solving the equation.

***Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***

***Example 15:*** The quotient of a number and – 4 is 5. What is the number? Write an equation

and solve.

***Equation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***