Topic 8 Test

Study Guide

*1.) Review Lesson 8-1*

* Review the definitions of algebraic expression and variable.
* Know that EVALUATE means solve!
* Be able to write an algebraic expression using numbers and symbols (variables) from words

(EX: five less than four times a number IS 4n-5)

*2.) Review Lesson 8-2 and 8-3*

* Review how to solve for a number that has an exponent. (EX: 4³ = 4x4x4 = 64)
* Know the 4 steps in the order of operations.
* Be able to solve problems by applying order of operations when there are several operations to perform.

*3.) Review Lesson 8-4*

* Be able to solve for order of operations when there are double parentheses in a problem (brackets)

EX: 4 + [(9+2) x 4]

* Be able to solve problems using order of operations where decimals are involved. Review the rules for adding and subtracting decimals, multiplying and dividing decimals.

*5.) Review Lesson 8-5*

* Be able to find rules and missing terms within tables, or input/output tables, that are either addition or subtraction.

*5.) Review Lesson 8-6*

* Be able to find rules and missing terms within tables, or input/output tables, that are either multiplication or division.

*6.) Review Lesson 8-7*

* Be able to find rules and missing terms within tables, or input/output tables, that are either addition, subtraction, multiplication or division.

*7.) Review Lesson 8-8*

* Be able to translate words into algebraic expressions – similar to 8-1.

*6.) Review Lesson 8-9*

* Review solving multi-step word problems, showing your answer through diagrams and calculations, and explaining your work.

*Pages 214-215 provide excellent reteaching opportunities if you are confused!!!* ***Pages 216-217 provide a practice test. Turn it in for extra credit on your test!!!***