

Algebra One (home-school)
Review sheet for first exam

Basic Intuitive Knowledge (You should know these immediately and without conscious thought)

- Addition tables for 0 – 10
- Multiplication tables for 0 – 10
- Subtraction tables for addition tables results.
- Division tables for multiplication tables results.
- Squares of whole numbers 0 through 16.

Recognition Vocabulary (know what it means and recognize it when you see it):

- | | | |
|-----------------------------|------------------------|------------------|
| • Sum, Difference, Product | • Coefficient | • Odd integers |
| • Equation | • Linear | • Even integers |
| • Left-side of an Equation | • Slope | • Angle |
| • Right-side of an Equation | • x -intercept | • Triangle |
| • Term | • y -intercept | • Square |
| • Constant | • Critical point | • Rectangle |
| • Variable | • Axis of Symmetry | • Right Triangle |
| • Exponent/Power | • Consecutive integers | |

Working Vocabulary (know what it is and how to do or use it):

- Simplify an expression
- Multiply two terms using *sign – rest of number – variables in alphabetic order*
- Distribute (a monomial over a parenthetical expression)
- Factor (a monomial from a parenthetical expression)
- Presentation Mode (to solve a word problem)
- Function Notation
- Graph a point

“Efficient” Processes (There are more than one way to do each of the following; you are expected to demonstrate your knowledge of the “efficient” way.)

- Solve a Linear Equation in One Variable
- Square a Binomial
- Use the Pythagorean Theorem to translate the information on a right triangle into an equation.
- Graph and describe a linear equation