- 1 Order of Operations (No grouping/No exponents)
- 2 Order of Operations with grouping and exponents
- 3 Absolute value with addition and subtraction
- 4 Simplify algebraic expression using distributive property
- 5 Evaluate an algebraic expression
- 6 Solving a linear equation
- 7 Solving a linear equation with fraction coefficient(s)
- 8 Solving a literal equation
- 9 Translate a word problem to an algebraic equation
- 10 Solve a word problem
- 11 <u>Translate</u> word problem to a proportion
- 12 Simplifies exponential expression (positive integer exponents)

- 13 Simplifies exponential expression (positive and negative integer exponents)
- 14 Simplifies exponential expression (positive and negative and zero integer exp.)
- 15 Scientific notation (To or From)
- 16 (Polynomial) (Polynomial)
- 17 (Monomial)(Binomial)
- 18 (Binomial)(Binomial)
- 19 Factoring a polynomial Greatest Common Factor(s)
- 20 Factoring a polynomial Difference of Squares
- 21 Factoring a polynomial By Grouping
- 22 Factoring a trinomial
- 23 Simplifies a rational expression Reduce by factoring
- 24 Solving quadratic equation by factoring (a = 1)

- 25 Solving quadratic equation by factoring (a 1 1)
- 26 Simplify square root of a monomial
- 27 Simplify square roots in a polynomial using distributive property
- 28 Solving a linear inequality
- 29 Identify intercepts of a linear equation (ax + by = c)
- 30 Match linear equation to graph (ax + by = c) or (y = mx + b)

Suggestions

Work all the problems. Guess, if necessary. Check your work by substituting answers back into the original problem. Check all simplifications by redoing question on a clean sheet of scrap paper.

Reminder

It is a multiple choice exam. If you guess at any question and get it correct, no one will know except you. Study the questions you got correct as well as the ones you missed.

