Test 1 Study guide

Power rules with positive exponents: Multivariate products
Power rules with positive exponents: Multivariate quotients
Simplifying a ratio of multivariate monomials: Basic

Using distribution and combining like terms to simplify: Univariate
Using distribution with double negation and combining like terms to simplify: Multivariate
Degree and leading coefficient of a univariate polynomial

Multiplying binomials with negative coefficients
Multiplication involving binomials and trinomials in one variable
Multiplication involving binomials and trinomials in two variables

Introduction to simplifying a radical expression with an even exponent
Square root of a perfect square monomial
Cube root of an integer

Factoring out a monomial from a polynomial: Multivariate
Factoring a univariate polynomial by grouping: Problem type 1
Factoring a quadratic with leading coefficient 1

Simplifying a ratio of polynomials by factoring a quadratic with leading coefficient 1
Multiplying rational expressions made up of linear expressions
Dividing rational expressions involving linear expressions

Solving a two-step equation with signed fractions
Solving a proportion of the form $(x+a)/b = c/d$
Solving for a variable in terms of other variables using addition or subtraction: Basic

Solving for a variable inside parentheses in terms of other variables
Solving for a variable in terms of other variables in a linear equation with fractions