**Reedley Math 101** Howard Hamilton, Instructor

This is what you “MUST KNOW” in order to pass Math 101. Note: each of these skills builds on prior, prerequisite knowledge. For example, in order to add rational expressions, you must know how to factor and how to determine the least common denominator, LCD.

**Primary Skill Supporting Skills Text Book Ref**

Solve simple linear equations 2.2

 Order of operations 1.7

Graph linear equations and intercepts 3.2

 Coordinate system, two variables 3.1

Determine equations of lines 3.6

 Slope of a line 3.3

Solve systems of Equations (graphing, substitution, addition) 4.1, 4.2, 4.3

 All previous topics

Multiply, divide, add and subtract polynomials 5.3, 5.4, 5.5

 Rules of exponents 5.1

Factor binomials, trinomials and some polynomials 6.2, 6.3, 6.4, 6.5

 Greatest common factor, grouping 6.1

Solve quadratic equations by factoring 6.6

 Factoring skills above

Multiply, divide, add and subtract rational expressions 7.2, 7.3, 7.4, 7.5

 All previous topics

Solve rational equations 7.6

 Rational expression techniques above

**Syllabus Attachment 3**