

MAT 105 – Regular Test #2
Broad Concepts

The following is a partial list of key concepts that could form the basis for questions on RT #2 – including definitions using proper English grammar and spelling!! Your instructor may have a list of more concepts that you need to know.

Addition method for solving a system of equations
Break even point
Complex fraction
Cost
Dependent variable
Equation of a horizontal line
Equation of a vertical line
Fixed cost
Fractional equation
Fundamental principle of analytic geometry
Independent variable
Intercepts
LCD (what it is and how to find it)
LCD & Order of Operations methods for simplifying
complex fractions
Parallel lines – relationship between slopes

Perpendicular lines – relationship between slopes
Point-slope form of the equation of a line
Profit
Rational expression
Revenue
Slope
Slope-intercept form of the equation of a line
Standard form of the equation of a line
Substitution method for solving a system of equations
Use calculator to find “value”
Use calculator to find intersections
Use calculator to find maximum/minimum
Use calculator to find zeros
Variable cost