

Montgomery College
MA094 Course Outcomes

Approved Spring 2008

#	Upon completion of this course a student will be able to
1	Demonstrate the ability to round a number accurately to a given decimal place.
2	Demonstrate the order of integers, fractions, decimals, and percents.
3	Apply the order of operations to numerical expressions involving integers, fractions, and decimals.
4	Demonstrate the ability to evaluate algebraic expressions using integers, fractions, and decimals.
5	Solve application problems using proportions and percents.
6	Calculate the perimeter, circumference, and the area of a rectangle, triangle, and circle, and calculate the volume of a rectangular solid.
7	Solve linear equations and inequalities in one variable with integer and rational coefficients.
8	Demonstrate the ability to graph linear equations in two variables in the rectangular coordinate system.
9	Solve basic literal equations for a specified variable.
10	Demonstrate the ability to find the slope of a line both graphically and algebraically.
11	Demonstrate the ability to find the equation of a line that contains two given points.
12	Solve systems of linear equations in two variables.
13	Apply the laws of exponents for integer exponents to simplify expressions.
14	Demonstrate the ability to add, subtract, and multiply polynomials.
15	Demonstrate the ability to factor binomials and trinomials completely.
16	Solve quadratic equations using factoring or the quadratic formula.
17	Demonstrate the ability to translate, solve, and interpret applications involving the above outcomes.