



MAC1114 Trigonometry
MAC1140 Pre-Calculus Algebra
Need to Remember from College Algebra

1. Find the slope of a line given two points, given the line in slope-intercept form, or given the line in standard form
2. Find the equation of a line in slope-intercept form given two points or given a point and a slope
3. Graph a given function either by hand or using a graphing utility [includes linear, quadratic, polynomial, rational, etc.]
4. Apply Pythagorean Theorem
5. Manipulate given formulas to isolate a specified variable
6. Solve linear equations/inequalities
7. Solve Linear applications
8. Determine where a function is increasing/decreasing/constant
9. Determine symmetry of a function; determine whether a function is odd, even, or neither
10. Simplify the Difference Quotient for a given function
11. Identify horizontal & vertical translations, stretches/shrinks, and reflections of functions.
12. Solve absolute value equations & inequalities
13. Solve applications of absolute value equations & inequalities
14. Simplify arithmetic operations involving functions
15. Find the difference quotient of a given function
16. Find the composition of a given function
17. Decompose a given function
18. Perform operations on complex numbers
19. Solve applications of quadratic, polynomial and rational functions
20. Manipulate the window of a graphing utility to include a comprehensive view of a graphed function