

Montgomery College
MA 105 Course Outcomes
Approved Spring 2008

#	<i>Outcome: Upon completion of this course/program a student will be able to:</i>
1	Solve right-triangle trigonometric problems, including word problems.
2	Solve simple trigonometric equations.
3	Graph $y = A \sin x$, $y = A \cos x$ and $y = \tan x$ without a calculator.
4	Evaluate the 6 trigonometric functions without a calculator for <ol style="list-style-type: none">the angles of a right trianglean angle in standard position defined by a point in the plane.quadrantal angles.special angles: 30°, 45°, and 60° as well as those angles whose reference angles are 30°, 45°, 60°.
5	Evaluate the 6 trigonometric functions for any angle in degrees or radians with a calculator.
6	Define degrees and radians. <ol style="list-style-type: none">Convert between degrees and radiansLocate angles (in radians) on a unit circle.
7	Sketch an angle in standard position <ol style="list-style-type: none">Find and use reference angles.Find and understand coterminal angles.
8	Use basic identities to simplify expressions involving trigonometric functions.