

Assessment Objective Trig/Pre-Calculus First Semester Final

On the Final Exam, the student will demonstrate the ability to:

Objective	# of Questions
Use the unit circle to evaluate the trigonometric function of an angle. (+ angles, - angles or periodic)	5
Evaluate Inverse Trig Functions	2
Determine the quadrant in which the terminal side of an angle resides	1
Using identities or a right triangle, find the trigonometric function of an angle given the first trig function.	2
Determine which equation matches the graph of a trig function	3
Solve word problems involving the graph of a trig function	2
Convert an angle measurement from Radians to Degrees or Degrees to Radians	1
Find a reference angle	2
Simplify a trigonometric expression using trig identities	1
Multiply Complex Numbers	1
Divide Complex Numbers	1
Match the equation of a rational function with the appropriate graph	1
Determine the interval in which the value of a function is increasing, decreasing or constant	1
Find a polynomial function that has the given zeros	2
Find all zeros of a polynomial function	1
Find the domain of a rational function	1
Find the domain of a radical function	1
Find all vertical and horizontal asymptotes of a rational function	2
Find the zeros of a rational function	1
Function operations, given the function $f(x)$, find $f(2x+3)$	1
Completely factor a polynomial	1