Placement Test A addresses the key skills necessary for a student to be Math138/132/130/123 ready.

Benchmarks in Test A
Order of operations
Combining like terms/ Simplify an expression/ Distributive property
Use the rules of exponents
Perform operations on and simplify radical expressions. Use functions involving radicals
Rational Exponents
Simplifying Radicals
Add, subtract, and multiply polynomials
Solve linear equations.
Solve for a variable in an equation or formula
Demonstrate factoring for polynomials
Apply factoring to solve quadratic equations using zero products
Use factoring to name restrictions for rational expressions and to simplify rational expressions
Use factoring to multiply and divide rational expressions
Solve inequalities
Solve equations and inequalities involving absolute value
Add and subtract rational expressions
Simplify complex fractions
Solve equations and applications involving rational expressions
Graph linear and nonlinear equations
Graph linear functions by plotting points or by x-intercept, y-intercept
Solve systems of linear equations using the addition method or the substitution method

Placement Test B addresses the key skills necessary for a student to be Math139/140 ready?

Benchmarks in Test B
Find the distance between two points and the coordinates of the midpoint.
Graph linear equations using a table.
Use correct function notation.
Use a graph to solve a quadratic inequality.
Find the inverse of a function.
Graph a quadratic function of the form $y = ax^2 + bx + c$.
Solve quadratic equations that have imaginary roots.
Use a table and a calculator to graph an exponential function.
Evaluate logarithmic expressions.
Solve application problems using basic algebraic concepts

Problem solving with exponents
Working with formulas
Odd/ Even functions
Minimum/ Maximum of Functions

Placement Test C addresses the key skills necessary for a student to be Math141 ready.

Benchmarks in Test C
Identify coterminal angles.
Determine in which quadrant an angle lies.
Convert radians to degrees and vice versa, both longhand and on a calculator.
Use reference angles to find the sine and cosine of an angle.
Express the sine and cosine functions as graphs on a coordinate plane.
Use basic identities to simplify trigonometric expressions.
Verify trigonometric equations as identities.
Using Transformations to graph the trig functions