Math 115 Learning Outcomes: Upon successful completion of the course, students should be able to:

1. Increase their skills with algebra and trigonometry. *It should be noted that your algebra skills are a <u>prerequisite</u> for precalculus.* **All mistakes are <u>not</u> created equal.** *You cannot begin many precalculus problems without necessary algebraic skills.*
2. Work with mathematical terms such as linear, quadratic, exponential, logarithmic, inverse polynomial, rational, circular, and trigonometric functions and express these terms in correct context.
3. Apply the methods of algebra to solve applications involving intercepts, rates of change, inequalities, system of equations, rational functions, and interest growth.
4. Develop various properties graphically and formulaically (domain, range, inverse functions, unit circle, Pythagorean identities, reciprocals, half-angle, and double-angle, and transformations).
5. Students will tackle problems that require more than one step to solve. *This will be challenging because you may want to draw on external sources for help, but strive to be patient and give your brain a fair and just attempt.*