**ALEKS and MST 105L – Goals and Objectives**

**The primary goal for MST 105L is to provide you the opportunity to review topics for Algebra and Trigonometry that are fundamental to success in Calculus.**

**What can you expect to learn in MST 105L?**

Students who successfully complete MST 105L can expect to review topics on real numbers, equations and inequalities, exponents and polynomials, lines and systems of linear equations, functions and their graphs, rational expressions, radical expressions, exponential and logarithmic functions, trigonometric functions, geometry, limits and continuity of functions.

**What is the benefit to you of reviewing these topics?**

Many students who struggle in calculus do so because they are weak in the fundamental Algebra and Trigonometry concepts. A study published in July 2018 by Harvard researchers found that mastering the prerequisites was the best predictor of success in calculus. If you successfully complete MST 105L will establish a strong foundation for your study of calculus. This strong foundation will enable you to successfully complete Calculus.

**What do you need to do to successfully complete MST 105L?**

Your success in MST 105L is determined by your effort and the work you do in ALEKS. “The person who does the work does the learning”. You cannot expect to learn the concepts you need unless you take your work in ALEKS seriously and work hard in the ALEKS program. No one else can learn these concepts for you and letting others do the work for you so you can add that topic to your pie and move on, will not help you to learn the concept. In order to be successful, you should:

 - set a weekly goal for mastery of topics in ALEKS based on the initial assessment

 - schedule a sufficient amount of time to work in ALEKS each week to meet the weekly progress goal which was set after completion of the initial assessment

 - plan a place to work on ALEKS where you can concentrate and focus on your work

 - keep a notebook of your work in ALEKS so that you will be able to:

 - ask questions about topics you do not understand

 (either in class, in office hours or in Math & Stats Center appointments)

 - use your notes to study and practice in preparation for the final assessment

 - attend class each week and work in ALEKS during that class time –

 - remember that MST 105L class attendance is MANDATORY

 - any missed class MUST be pre-approved and made up before final assessments

 - if you get behind in progress one week, commit extra time the following week to

 so that you get back on schedule to meet your weekly progress goal.

 - read the syllabus and all Canvas postings carefully - pay close attention to class

 announcements