

## **Math 90 Challenge Exam Information**

The Math 90 Challenge Exam consists of fifty (50) multiple-choice questions. Students will have one hour to complete the exam.

A student's score on this exam is based on the number of correct responses. There is NO penalty for incorrect responses. Students are advised to answer all questions even if they can only give their best guess on some items. The minimum passing score is twenty five (25).

Approximately one third of the test consists of problems dealing with arithmetic of whole numbers, common and decimal fractions, integers, percent, and proportions. The other two thirds of the test deal with elementary algebra, including, but not limited to, operations with polynomial and rational expressions, solution of linear and quadratic equations, and graphing relations in one or two variables.

The content of the test closely relates to that found in the textbooks Beginning Algebra, 4<sup>th</sup> Edition by Gustafson and Frisk and Introductory Algebra, 5<sup>th</sup> Edition by Lial, Hornsby and Miller. The Wartburg Pathways Center also has Algebra I books available for check out.

A study guide is available at:

<http://info.wartburg.edu/Portals/0/Pathways/Testing/MA%2090%20Study%20Guide%20%20Answer%20Key.pdf>

Note: Hand-held calculators may be used on the test but are not required. Students must provide their own calculators if they wish to use a calculator on the exam.