

THE MATH 90 TEST

The Math 90 test consists of fifty (50) multiple-choice questions to be answered in one hour. For each question the student must select the best answer from among five proposed answers.

The score is the number of correct responses, with NO penalty for incorrect responses. Students are thus advised to answer all questions even though they may not be confident of all of their answers. The minimum passing score is twenty five (25).

Approximately one-third of the test is on the arithmetic of whole numbers, common and decimal fractions, integers, percent, and proportions. The other two-thirds of the test is on 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, 4th Edition by Gustafson and Frisk and Introductory Algebra, 5th Edition by Lial, Hornsby and Miller. Either of these textbooks can be purchased in the Wartburg bookstore. The testing services office, Pathways Center, also has Algebra I books available for check out.

NOTE: Hand-held calculators may be used on the test but are not required. Students are to bring their own calculators if they wish to use calculators.

The following sample question illustrates the format of the questions:

Multiply and simplify: $(4a \div 7)(a - 3) =$

(a) $4a^2 - 21$

(b) $4a^2 \div 7a - 21$

(c) $4a^2 - 5a - 21$

(d) $4a^2 - 5a \div 4$

(e) $4a^2 - 5a \div 21$

The correct response is (c).