

PLACEMENT TEST STUDY GUIDE

There will be two exams given. One is for placement in MTH 141, and one is for placement in MTH 161.

The placement exams cover topics found in any precalculus course. Expect to find questions regarding inequalities, absolute values, coordinate geometry and lines, trigonometry, functions, and graphs of functions. The exam for placement in MTH 161 also includes exponential functions and logarithms, and places greater emphasis on trigonometry than does the MTH 141 exam. Both contain questions which test your ability to understand word problems that are based on high school geometry.

The following is a list of questions that you can review to give you an idea of the sort of questions that might be found on the exam. This list is by no means intended to be comprehensive. All questions are from Stewart's *Calculus, Early Transcendentals, 8th edition*. We list (mostly) odd-numbered questions, because the answers to them are provided in the back of the book, so you may check your work.

p. A9, # 25, 27, 29, 43, 45, 46, 51.

p. A15, # 1, 7, 13, 17, 21, 25, 29, 31, 35, 37, 47, 49, 51.

p. A32, # 1, 7, 5, 17, 21, 19, 23-28, 29, 31, 33, 59, 61, 63, 65, 67, 71, 74, 77, 79, 81

Section 1.3: # 3, 6, 7, 8, 9, 13, 18, 19, 20.

Section 1.4: # 1, 3, 4, 7, 17.

Section 1.5: # 31, 35-41, 51-54, 55, 56, 63, 65.