

# SAMPLE MATH PLACEMENT TEST C

Math Placement Test C is for students who have completed a semester of Analytic Geometry, Precalculus, Analysis, Trigonometry, or Calculus. Math Placement Test C is the **only** placement test which can place you into Calculus I (MATH 1310, 1310H, or 1340). It can result in a recommendation from MATH 1220 through 1310H.

The questions on this sample test are similar to the questions on Test C in format and level of difficulty. However, not all of the topics or types of questions that are on Test C are included here.

The Topics on Test C can be classified into two types, **Calculus Readiness** and **Trigonometry**. There are a total of 35 multiple-choice mathematics questions contained in Test C. Approximately two-thirds of the questions relate to Calculus Readiness and the other third are on Trigonometry.

Calculus Readiness questions focus on: Geometry and measurement, graphs of functions, word problems and modeling, concept formation, numerical awareness, exponential functions, exponents and logarithms, equations and factoring, functional notation, inequalities, absolute value, basic trigonometry.

Trigonometry questions focus on: Definition of trigonometric functions, right angles, evaluation of special angles, related angles, radian measure, graphing identities, Laws of Sines and Cosines, trigonometric equations, arc functions, distance, straight line, conics, functions (notation, composition), graphs and their properties, logarithmic and exponential functions, higher degree polynomials, absolute value, inequalities.

1. Definition: A function is increasing on the interval  $[a, b]$  if and only if  $f(x_1) < f(x_2)$  whenever  $x_1 < x_2$ , where  $x_1$  and  $x_2$  are any number in  $[a, b]$ .

The function  $f$ , pictured in the graph on the right, is increasing on the interval

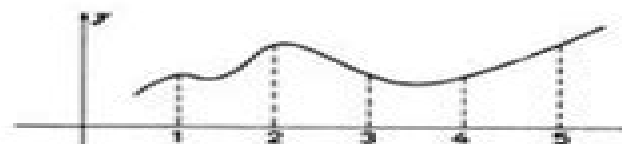
(A)  $[1, 2]$

(B)  $[2, 3]$

(C)  $[3, 4]$

(D)  $[4, 5]$

(E) none of these



# Uic Math Placement Test Sample

**Math Exam Secrets Test Prep  
Staff, Mometrix Exam Secrets Test  
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