Math 232 Spring 2003
Quiz 5 (3/4) Name: _____

This quiz is worth 10 points and you have 10 minutes to complete it. Show all work and circle your final answers.

Calculators are NOT allowed today.

1. (*4 pts*) Give a formal definition of $\sin\theta$, for any angle θ. Your definition should include the words "unit circle," "standard position," "terminal," and "coordinate."

2. (*6 pts*) Fill in each blank with *one* letter. (Not all letters will be used.)

_____ $= \sin\frac{\pi}{3}$

_____ $= \cos\frac{\pi}{3}$

_____ $= \sin(-x)$

_____ $= \cos(-x)$

_____ $= \sin^2 x$

_____ $= \sec^2 x$

A. 1

B. $\sqrt{3}$

C. $-\sqrt{3}$

D. $\frac{1}{2}$

E. $\frac{\sqrt{3}}{2}$

F. $-\frac{\sqrt{3}}{2}$

G. $-\cos x$

H. $-\sin x$

I. $\sin x$

J. $\cos x$

K. $\sin(x^2)$

L. $(\sin x)^2$

M. $1+\cot^2 x$

N. $1-\tan^2 x$

O. $\tan^2 x + 1$