Math 182   Quiz 17   Name: _____

April 29, 2003

Show all work for credit.

Leave all answers as exact answers unless otherwise stated.

1. Evaluate the following.

   (a) $\dfrac{d}{dx}\tan x^2$

   (b) $\displaystyle\int_0^1 \sqrt{1-x^2}\,dx$

   (c) $\dfrac{d}{dx}\sec^2(\arccos e^5)$

2. (bonus) Give the definition of the word "propinquous".