

Math 126C: Calculus II
Quiz 4 September 19, 2000

Name: _____

Show all your work and all important steps.

1. Simplify $\cos(\tan^{-1} \sqrt{x^2 + 2x})$.

2. Evaluate $\int \frac{1}{\sqrt{2x - x^2}} dx$.

3. Evaluate $\int \frac{1}{\sqrt{x^2 + 2x}} dx$.