

**Math 228: Intro to Lin Alg & Diff Eqns**  
**Quiz 10** *April 18, 2002*

Name: \_\_\_\_\_  
Section: \_\_\_\_\_

Solve the following initial value problems.

1.  $y' = \frac{y - \cos(x)}{y - x}, \quad y(0) = 1.$

2.  $y'' + 3y' + 2y = 0, \quad y(0) = 0, \quad y'(0) = 1.$