

**Math 225**

**Quiz 2**

**Name:** \_\_\_\_\_

**January 21, 2005**

**Show all work for credit.**

1. Determine if  $y(x) = 1/(2 - x)$  is a solution to the DE  $y' = y^2$ .

2. Solve the IVP  $y' = xe^{x^2}$ ,  $y(0) = 1$ .