

Math 10360 - Quiz 3 - Spring 2007
February 22, 2007

Name: _____

1. Find the general solution of the differential equation

$$\frac{dy}{dx} = \frac{x^2 + y^2}{2xy}.$$

2. (a) Find the general solution of the differential equation

$$5y' - y = e^{x/5}.$$

- (b) Find the particular solution satisfying the initial condition $y(0) = 1$.