

Math 181  
Fall, 2008

Name \_\_\_\_\_

Homework #9  
Due Wednesday, Oct 8  
No late papers accepted! No excuses!

1. Solve the following separable differential equations.

a)  $\frac{dy}{dx} = 2(x + y^2x)$

b)  $\frac{dy}{dx} = \frac{2x^2 + 1}{xe^y}, x > 0$