

Math 181
Fall, 2009

Name _____

Homework #11
Due Monday October 12
No late papers accepted! No excuses!

1. Solve the following separable differential equations.

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

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