

Math 3213 - Differential Equations

Quiz #6 - 2007.02.16

Name: _____

Solve the following differential equation:

$$\left(-2xe^{-(x^2+y^2)} + \frac{1}{y-1} + \frac{1}{x}\right) + \left(-2ye^{-(x^2+y^2)} + \frac{1-x}{(y-1)^2} + \sin(y)\right) \frac{dy}{dx} = 0.$$