Quiz 4 for Calc4 on Sept. 25, 2014

Name:_____**RUID:**_____

Email:_____

(1) Find the equilibrium of the autonomous ODE

$$y' = y^2(y^2 + 5y - 6)$$

and determine the stability.

(2) Use the given integrating factor to solve the following ODE

$$3xy + y^2 + (x^2 + xy)y' = 0, \mu(x) = x$$

Check your answers!