

Name \_\_\_\_\_  
Student I.D. \_\_\_\_\_

**Math 2250-10**  
**Quiz 2**  
**January 17, 2014**

1a) Find the general solution to the differential equation for  $y(x)$   
 $y'(x) = -2y + 8$   
using the method for separable differential equations.

(5 points)

1b) Solve the same differential equation  
 $y'(x) = -2y + 8$   
using the method for linear differential equations.

(5 points)