

Math152 - Calculus II - Winter 2005

Quiz #8, March 7, 2005

In the following problems you are required to show all your work and provide the necessary explanations everywhere to get the full credit.

1. Solve the differential equation $xy' = y$.

2. Solve the differential equation $y'' - 2y' + 10y = 0$.

3. Solve the initial-value problem $y' = e^{-2x} - 3y$, $y(0) = 1$.