

Math 2260 Quiz 6.5 (Practice)

Name _____

Points will be deducted for untidy or disorganized answers

1. (5 points) Solve the differential equation

$$\frac{dy}{dx} = 2kxy, \quad y(0) = 2, \quad y(1) = 4$$

and find the value of x for which $y(x) = 100$.