

Math 122 Worksheet 6

1. Solve: $y' = \frac{2y+3}{x^2}$.

2. Solve: $y' = 2xe^{-y}$; $y(0) = 1$.

3. The population of a city is increasing at a rate directly proportional to the population at any time t . In the last three years, the population has doubled. How long will it take for the population to triple?