

Math 32L Lab Quiz #2 (Series Solutions of IVPs)

Blake, Spring 2000

Name: _____

1. (a) [25 points] Solve the initial value problem $\frac{dy}{dx} = 2x^2 + y$, with $y(0) = 1$. Be sure to show your work in a clear, organized way.

(b) [5 points] Express your answer in terms of familiar functions, without series.