

Quiz #1 (EngMath I) [Thursday, Sept. 13, 2018]

Name: _____ ID No: _____

1. (8 points) Solve the following initial value problem:

$$y' - 4y = e^{4x}, \quad y(0) = 2.$$

2. (12 points) Solve the following Bernoulli equation:

$$x^2 y' + 2xy - y^3 = 0, \quad x > 0.$$