

MATH 54, FALL 2016, QUIZ 11

- (1) Find the general solution to the following differential equation

$$y''(t) - 6y'(t) + 9y(t) = 0$$

- (2) Find a solution to the following differential equation

$$y''(t) - 6y'(t) + 9y(t) = 9t^2$$

- (3) Find the solution to the differential equation

$$y''(t) - 6y'(t) + 9y(t) = 9t^2$$

with initial values $y(0) = 1$ and $y'(0) = 0$.