Quiz 8; Tuesday, November 1 MATH 54 with Ming Gu

GSI: Eric Hallman

Student name:

You have 15 minutes to complete the quiz. Calculators are not permitted.

1. (12 points) Find a solution of the form $y = A\cos 3t + B\sin 3t$ to the differential equation

$$y'' + 2y' + 4y = 5\sin 3t.$$