Math 4B
Fall 2017
Quiz 3

Name: _____

Use the method of reduction of order to find a second solution, $y_2(t)$, of the given differential equation, which satisfies $y_2(1) = 2$, $y_2'(1) = 5$:

$$t^2y'' - 4ty' + 6y = 0; \quad y_1(t) = t^2.$$