

Name: _____

Score: _____

1. Solve the differential equations. (2 points each)

(a) $2y'' - 5y' + 2y = 0$

(b) $y'' - 8y' + 17y = 0$

2. Solve the initial value problem $y'' - 2y' - 3y = 0, y(0) = 2, y'(0) = 2$. (3 points)

3. Solve the boundary value problem $y'' - 2y' + y = 0, y(0) = 2, y(2) = 0$. (3 points)