

Name: _____

Score: _____

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

(a) $y'' + y' - 6y = 0$

(b) $y'' + 4y' + 5y = 0$

2. Solve the initial value problem $3y'' - 2y' - y = 0, y(0) = 0, y'(0) = -4$. (3 points)

3. Solve the boundary value problem $4y'' - 4y' + y = 0, y(0) = 4, y(2) = 0$. (3 points)