

Name: _____

Score: _____

1. Solve the differential equations. (3 points each)

(a) $y'' + y = \cos(3x)$

(b) $y'' - y' = -8x + 3$

2. Solve the initial value problem $y'' - 4y' + 4y = 2e^{2x}$, $y(0) = 0$, $y'(0) = 2$. (4 points)