

Signals and Systems ECE 202

Assignment 6

Find the impulse responses of these systems

1.

$$y'(t) + 5y(t) = x(t)$$

2.

$$y''(t) + 6y'(t) + 4y(t) = x(t)$$

3.

$$2y'(t) + 3y(t) = x'(t)$$

4.

$$4y'(t) + 9y(t) = 2x(t) + x'(t)$$