

# ECE 311 - Homework #9

## Convolution

Find  $y(t) = x(t) ** h(t)$

1)  $x(t) = u(t)$

$$h(t) = 3e^{-5t}u(t)$$

2)  $x(t) = u(t)$

$$h(t) = 2u(t)$$

3)  $x(t) = e^{-t}u(t)$

$$h(t) = 2e^{-2t}u(t)$$