## **Engineering Mathematics**

**Homework 10** 

1. 
$$F(s) = \frac{s^2 + 6s + 9}{(s - 1)(s - 2)(s + 4)}, \text{ find } f(t) = ?$$
2. 
$$Solve: f(t) = 3t^5 + \int_0^t f(t - \tau)e^{-\tau}d\tau$$

2. Solve: 
$$f(t) = 3t^5 + \int_0^t f(t-\tau)e^{-\tau}d\tau$$