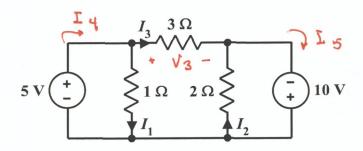
## EE 2240 **Problem #02**



a. Determine the value of  $I_1$ .

b. Determine the value of  $I_2$ .

$$\Gamma_2 = \frac{10V}{2\pi} = 5A$$

c. Determine the value of  $I_3$ .

$$V_3 = 5 + 10 = 15 \vee$$

$$V_3 = \frac{V_3}{5 \pi} = 5 A$$

d. How much power is delivered by the 5 V independent voltage source?

e. How much power is delivered by the 10 V independent voltage source?

$$I_5 = I_2 + I_3 = 5 + 5 = 10A$$
  
 $\therefore P = (10V)(10A) = 100W$