

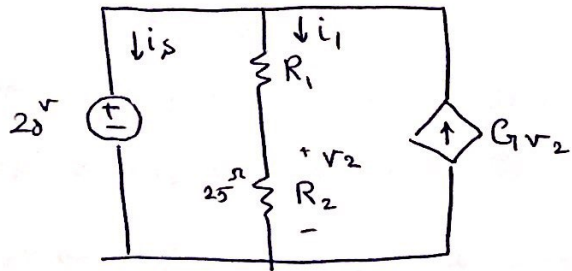
p3.2-25

$$V_2 = 4V$$

$$P = 2W = i_s V \rightarrow i_s = 0.1A$$

$$\text{KVL: } 20 = (0.16)(R_1) + 4V$$

$$R_1 = 100\Omega$$



$$i_1 = 0.16A$$

$$\text{KCL: } G_1 V_2 = i_1 + i_s = 0.06$$

$$\rightarrow G_1 = 0.015$$