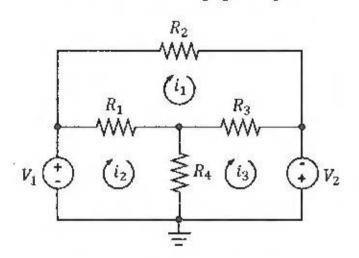
Find the mesh currents i_1 , i_2 , and i_3 .



$$R1 = 1 \Omega$$

$$R2 = 1 \Omega$$

$$R3 = 2 \Omega$$

$$R4 = 1 \Omega$$

$$Q MESH 1 1 1. i, +2(i,-i) +1(i,-i) =0 \Rightarrow 4i,-i,-i,-2i=0$$

(8) MESH 2:
$$-4 + i(\hat{c}_2 - \hat{c}_1) + i \cdot (c_2 - \hat{c}_3) = 0 \Rightarrow -c_1 + 2c_2 - \hat{c}_3 = 4$$
 (1)

(i) in (3).
$$-2\hat{c}_1 - 4\hat{c}_1 + 2\hat{c}_3 + 3\hat{c}_3 = 3 \implies -6\hat{c}_1 + 5\hat{c}_3 = 3$$
 (5)

$$(4) t(5). \quad \vec{c}_1 = 7A$$

$$\vec{c}_2 = 9A \quad \vec{c}_2 = 10A$$

