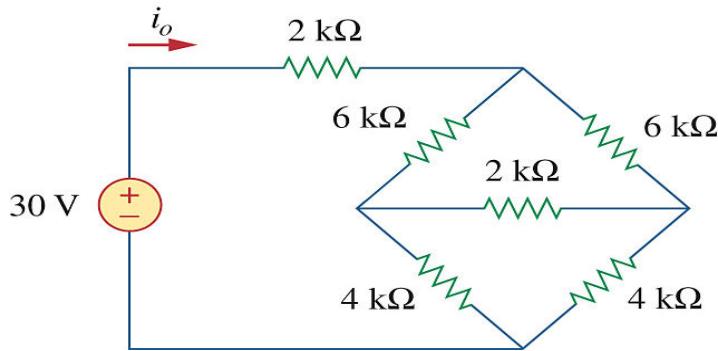
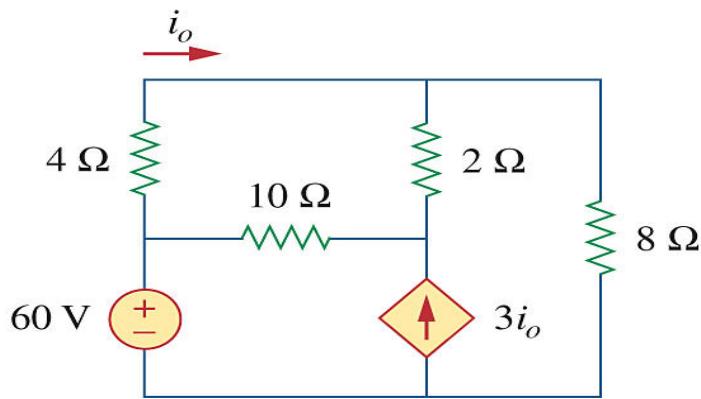


**SKEE 1023 CIRCUIT THEORY**  
**SECTION 13**  
**TUTORIAL 3: Method of Analysis**

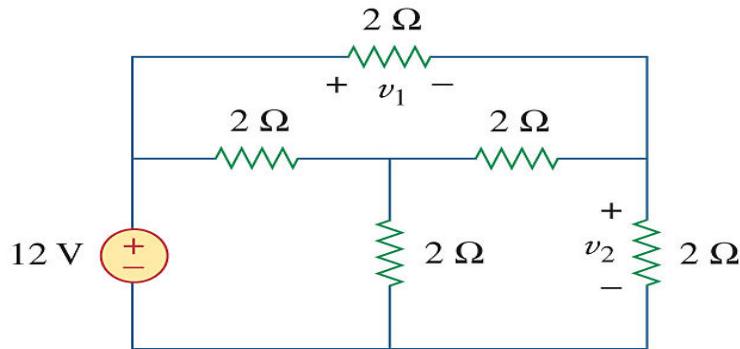
1. Problem 3.40: find  $i_o$  using mesh analysis



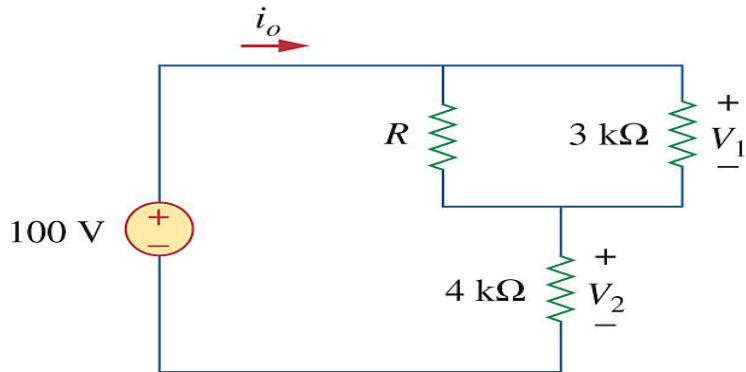
2. Problem 3.50: use mesh analysis to find current  $i_o$



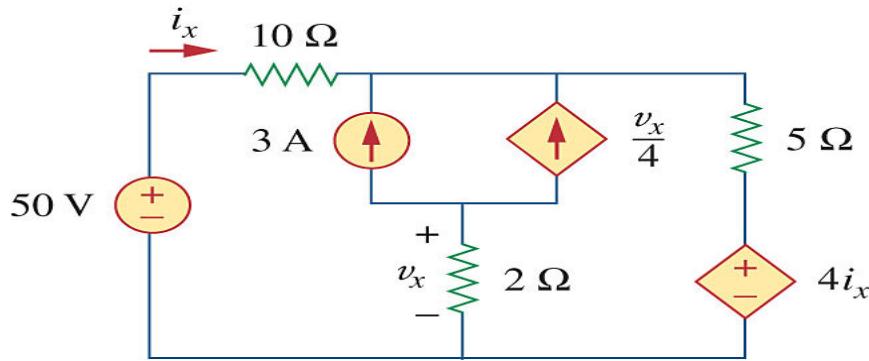
3. Problem 3.56: determine  $v_1$  and  $v_2$  using mesh analysis



4. Problem 3.57: find values of  $R$ ,  $V_1$  and  $V_2$  given that  $i_o = 18\text{mA}$ .



5. Problem 3.63: find  $v_x$  and  $i_x$



6. Problem 3.88: determine  $v_o / v_s$  (Assignment group C)

