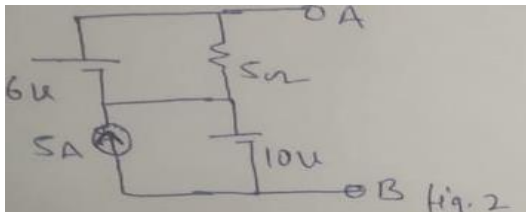**Q1. [CO2] Find the voltage across 2Ω resistor in fig. 1 by using Superposition theorem.**
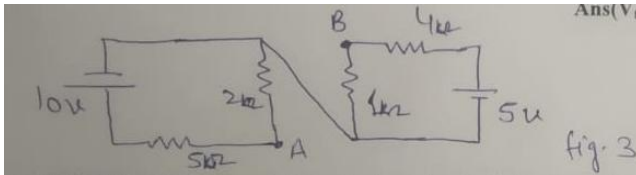
Ans.(-3.41 volt)
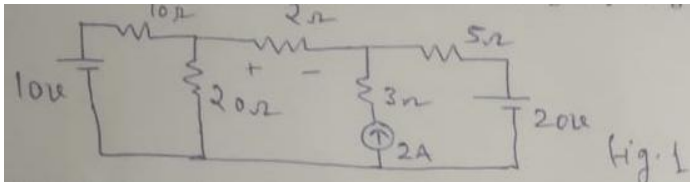
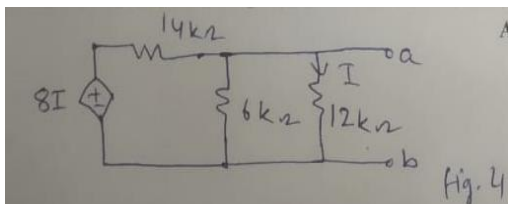**Q2. [CO1] Determine the voltage across the terminal A & B in the shown fig. 2. Ans(16 V)**

Q3.[CO2] Determine the Thevenin's equivalent circuit across terminal A &B for the fig. 3.

Ans(V_{th}=1.85V,R_{th}=2.23K Ω)

Q.4[CO2] Find th e thevenin's equivalent circuit of the shown fig. 4.

Ans(V_{th}=0,R_{th}=3.65KΩ)

Q.5[CO2] Find V_0 in the shown fig.5 by using Norton's theorem.

Ans(I_{sc}=1.5A,R_{th}=12/9.5,V_o=36/19V)