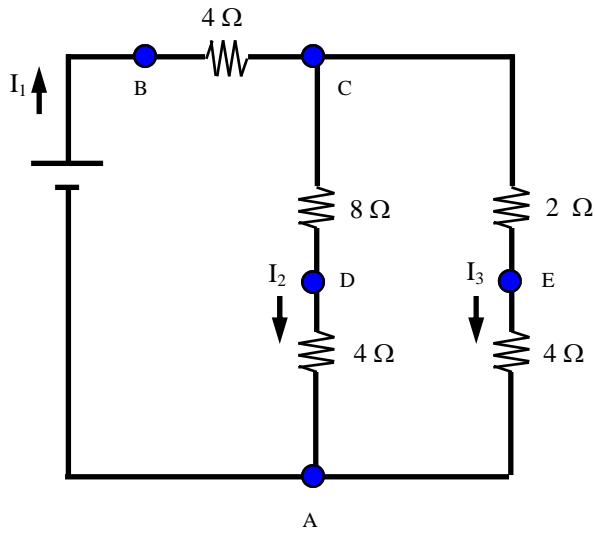
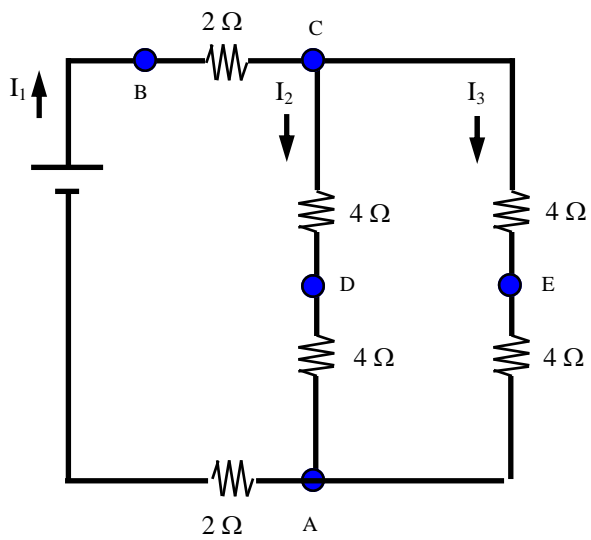


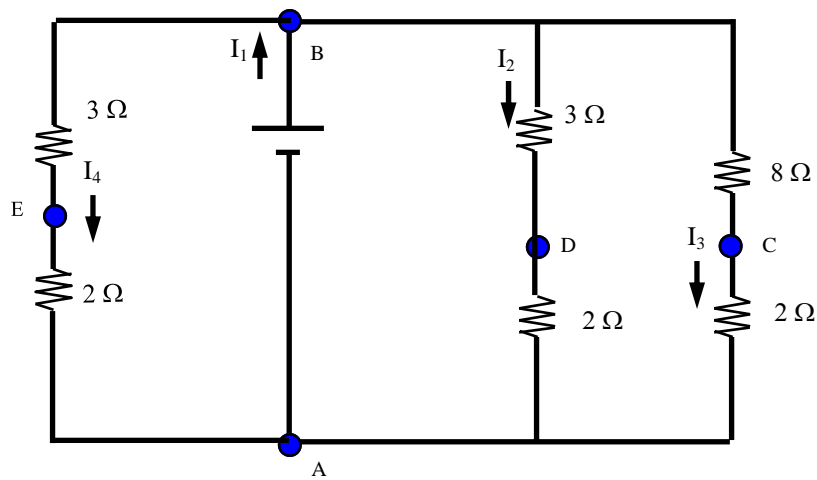
You must show all voltage and current arrows!



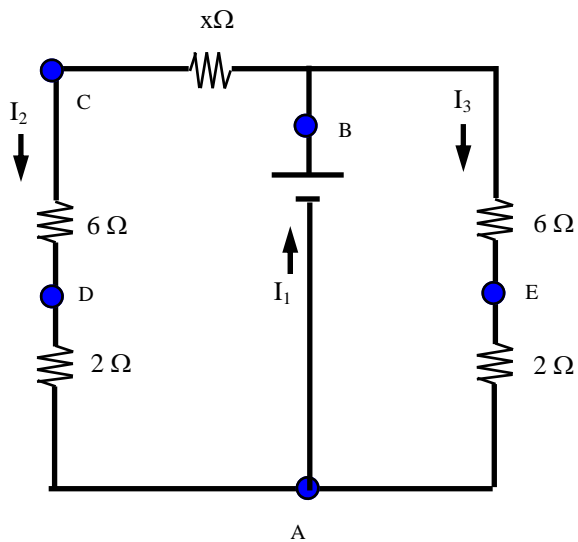
$V_{AB} = 48 \text{ V}$	$I_1 = \underline{\hspace{2cm}}$
$V_{CB} = \underline{\hspace{2cm}}$	$I_2 = \underline{\hspace{2cm}}$
$V_{AD} = \underline{\hspace{2cm}}$	$I_3 = \underline{\hspace{2cm}}$
$V_{EC} = \underline{\hspace{2cm}}$	$R_t = \underline{\hspace{2cm}}$
$V_{AC} = \underline{\hspace{2cm}}$	



$V_{ab} = \underline{\hspace{2cm}}$	$I_1 = \underline{\hspace{2cm}}$
$V_{cb} = \underline{\hspace{2cm}}$	$I_2 = \underline{\hspace{2cm}}$
$V_{ad} = \underline{\hspace{2cm}}$	$I_3 = \underline{\hspace{2cm}}$
$V_{ec} = 8 \text{ V}$	$R_t = \underline{\hspace{2cm}}$
$V_{ac} = \underline{\hspace{2cm}}$	



- $V_{ab} = \underline{\hspace{2cm}}$
 $V_{cb} = \underline{\hspace{2cm}}$
 $V_{ac} = \underline{\hspace{2cm}}$
 $V_{ec} = \underline{\hspace{2cm}}$
 $I_1 = 9 \text{ A}$
 $I_2 = \underline{\hspace{2cm}}$
 $I_3 = \underline{\hspace{2cm}}$
 $I_4 = \underline{\hspace{2cm}}$
 $R_t = \underline{\hspace{2cm}}$



- $V_{ab} = \underline{\hspace{2cm}}$ $I_1 = 12 \text{ A}$
 $V_{cb} = \underline{\hspace{2cm}}$ $I_2 = \underline{\hspace{2cm}}$
 $V_{ad} = 6 \text{ V}$ $I_3 = \underline{\hspace{2cm}}$
 $V_{ec} = \underline{\hspace{2cm}}$ $R_t = \underline{\hspace{2cm}}$
 $V_{ac} = \underline{\hspace{2cm}}$ $x\Omega = \underline{\hspace{2cm}}$