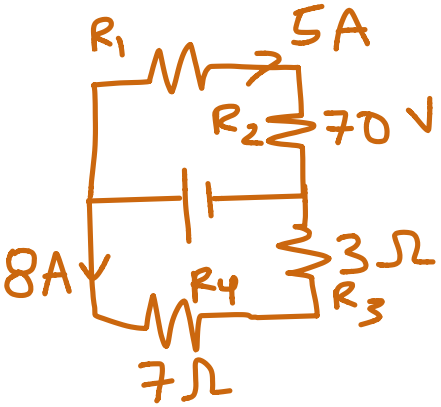
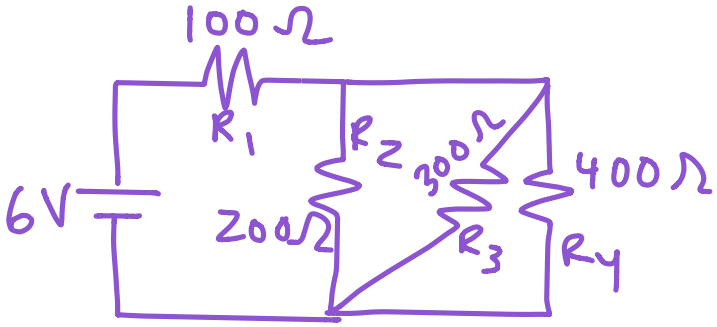
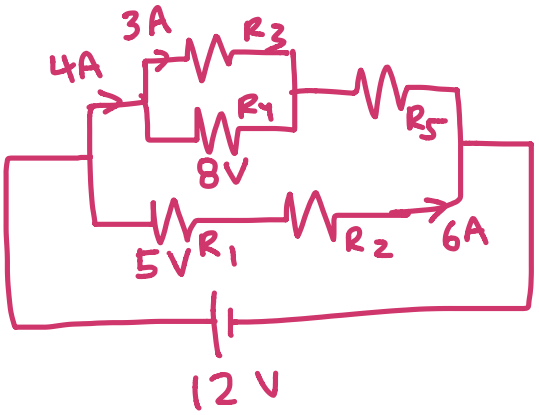
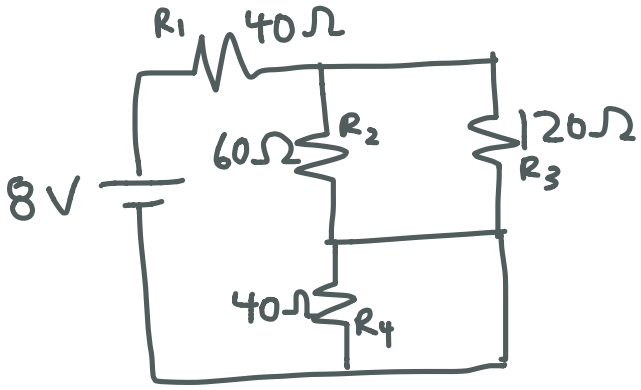
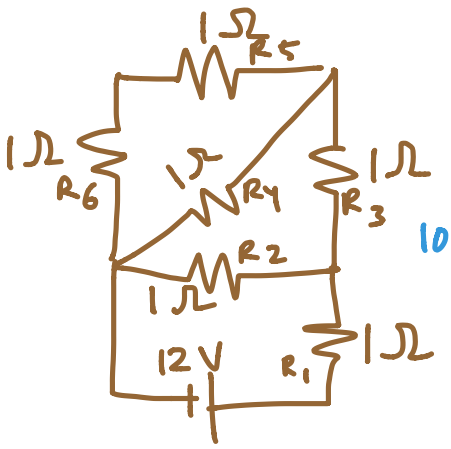
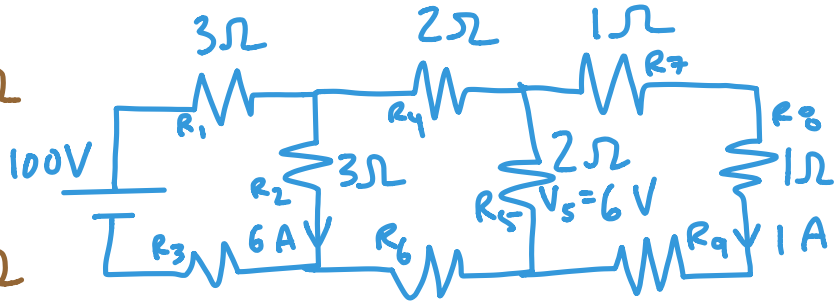

R1
5A
R2
70 V
8A
3Ω
R4
R3
7Ω

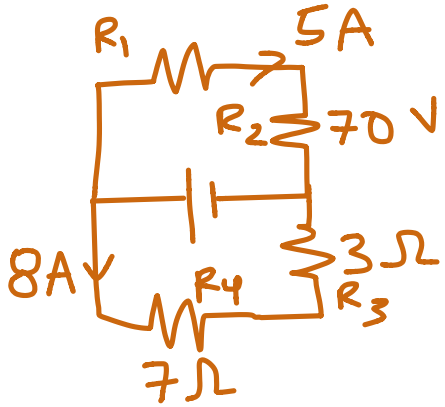

100Ω
R1
R2
300Ω
400Ω
6V
200Ω
R3
R4


3A
R3
4A
R4
R5
8V
5V
R1
R2
6A
12 V

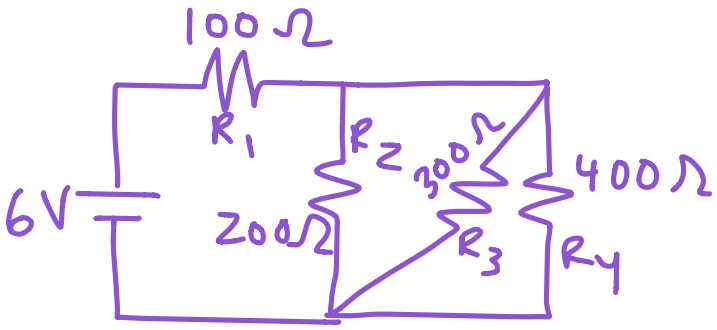

R1
40Ω
60Ω
R2
120Ω
R3
8V
40Ω
R4


1Ω
R5
1Ω
R6
1Ω
R4
1Ω
R3
R2
1Ω
12V
R1
1Ω

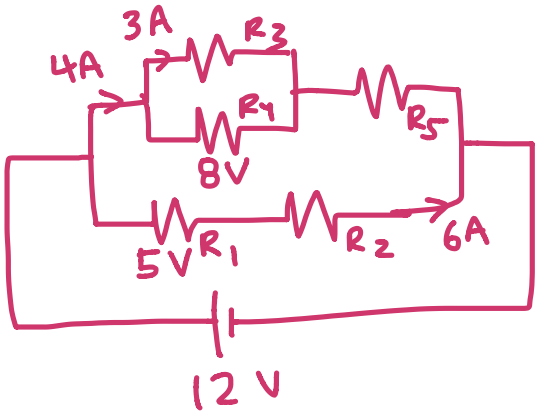

3Ω
2Ω
1Ω
R7
R1
R4
R8
100V
R2
3Ω
2Ω
1Ω
R5
V5=6V
R3
6A
R6
R9
1A



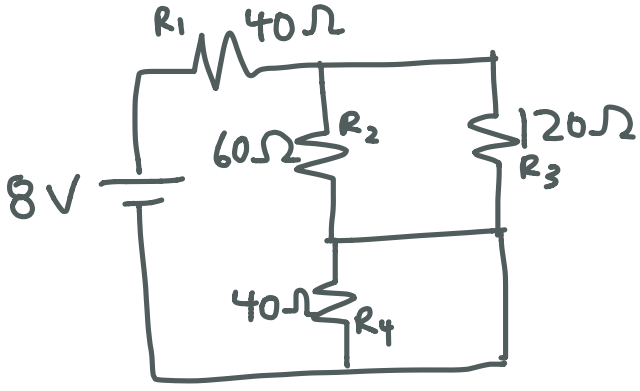
$V_T = 80V$	$V_1 = 10V$	$V_2 = 70V$
$I_T = 13A$	$I_1 = 5A$	$I_2 = 5A$
$R_T = 6.15\Omega$	$R_1 = 2\Omega$	$R_2 = 14\Omega$
$V_3 = 24V$	$V_4 = 56V$	
$I_3 = 8A$	$I_4 = 8A$	
$R_3 = 3\Omega$	$R_4 = 7\Omega$	



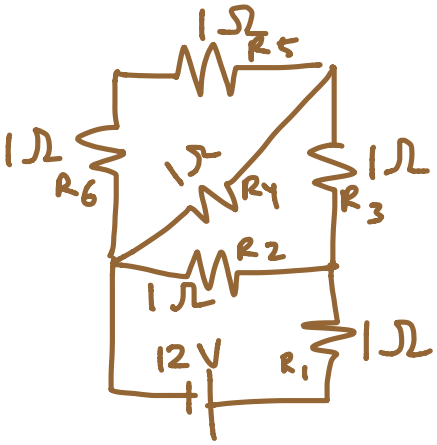
$V_T = 6V$	$V_1 = 3.12V$	$V_2 = 2.88V$
$I_T = 31.2mA$	$I_1 = 31.2mA$	$I_2 = 14.4mA$
$R_T = 192\Omega$	$R_1 = 100\Omega$	$R_2 = 200\Omega$
$V_3 = 2.88V$	$V_4 = 2.88V$	
$I_3 = 9.6mA$	$I_4 = 7.2mA$	
$R_3 = 300\Omega$	$R_4 = 400\Omega$	



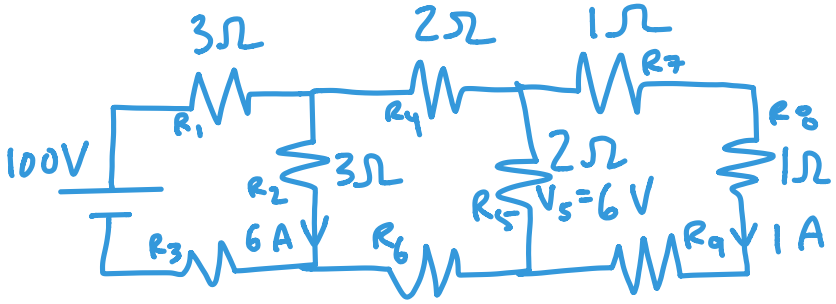
$V_T = 12V$	$V_1 = 5V$	$V_2 = 7V$
$I_T = 10A$	$I_1 = 6A$	$I_2 = 6A$
$R_T = 1.2\Omega$	$R_1 = 0.833\Omega$	$R_2 = 1.167\Omega$
$V_3 = 8V$	$V_4 = 8V$	$V_5 = 4V$
$I_3 = 3A$	$I_4 = 1A$	$I_5 = 4A$
$R_3 = 2.67\Omega$	$R_4 = 8\Omega$	$R_5 = 1\Omega$



$V_T = 8V$	$V_1 = 4V$	$V_2 = 4V$
$I_T = 0.1A$	$I_1 = 0.1A$	$I_2 = 0.067A$
$R_T = 80\Omega$	$R_1 = 40\Omega$	$R_2 = 60\Omega$
$V_3 = 4V$	$V_4 = 0A$	
$I_3 = 0.033A$	$I_4 = 0A$	
$R_3 = 120\Omega$	$R_4 = 40\Omega$	



$V_T = 12\,V$ $I_T = 7.38\,A$ $R_T = 1.625\,\Omega$	$V_1 = 7.38\,V$ $I_1 = 7.38\,A$ $R_1 = 1\,\Omega$	$V_2 = 4.62\,V$ $I_2 = 4.62\,A$ $R_2 = 1\,\Omega$
$V_3 = 2.77\,V$ $I_3 = 2.77\,A$ $R_3 = 1\,\Omega$	$V_4 = 1.85\,V$ $I_4 = 1.85\,A$ $R_4 = 1\,\Omega$	
$V_5 = 0.923\,V$ $I_5 = 0.923\,A$ $R_5 = 1\,\Omega$	$V_6 = 0.923\,V$ $I_6 = 0.923\,A$ $R_6 = 1\,\Omega$	



$V_T = 100\,V$ $I_1 = 10\,A$ $R_1 = 10\,\Omega$	$V_1 = 30\,V$ $I_1 = 10\,A$ $R_1 = 3\,\Omega$	$V_2 = 18\,V$ $I_2 = 6\,A$ $R_2 = 3\,\Omega$	$V_3 = 52\,V$ $I_3 = 10\,A$ $R_3 = 5.2\,\Omega$	$V_4 = 8\,V$ $I_4 = 4\,A$ $R_4 = 2\,\Omega$
$V_5 = 6\,V$ $I_5 = 3\,A$ $R_5 = 2\,\Omega$	$V_6 = 4\,V$ $I_6 = 4\,A$ $R_6 = 1\,\Omega$	$V_7 = 1\,V$ $I_7 = 1\,A$ $R_7 = 1\,\Omega$	$V_8 = 1\,V$ $I_8 = 1\,A$ $R_8 = 1\,V$	$V_9 = 4\,V$ $I_9 = 1\,A$ $R_9 = 4\,\Omega$