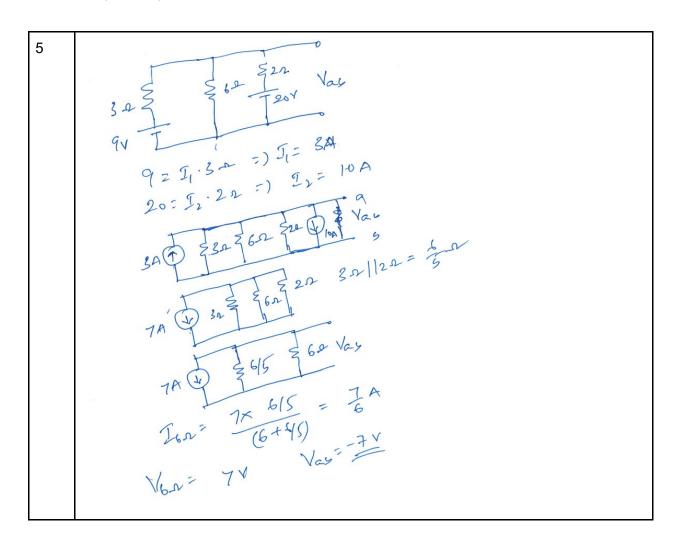
CSET102L

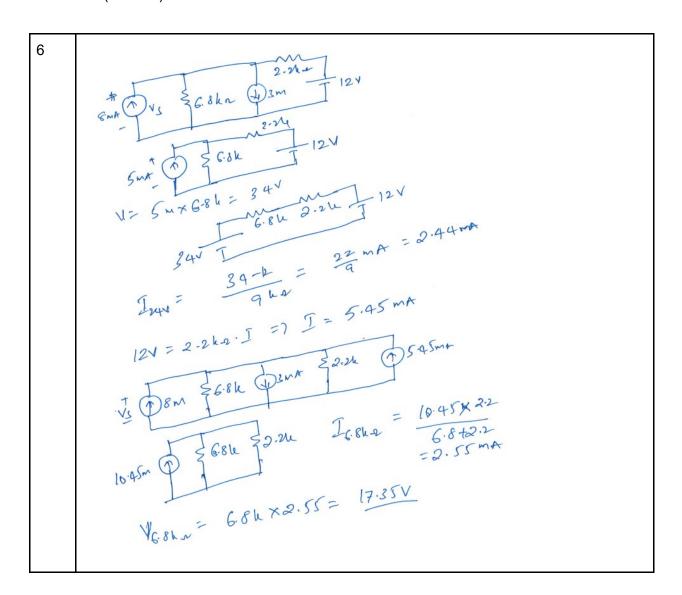
Tutorial Sheet - 4 (Solutions)

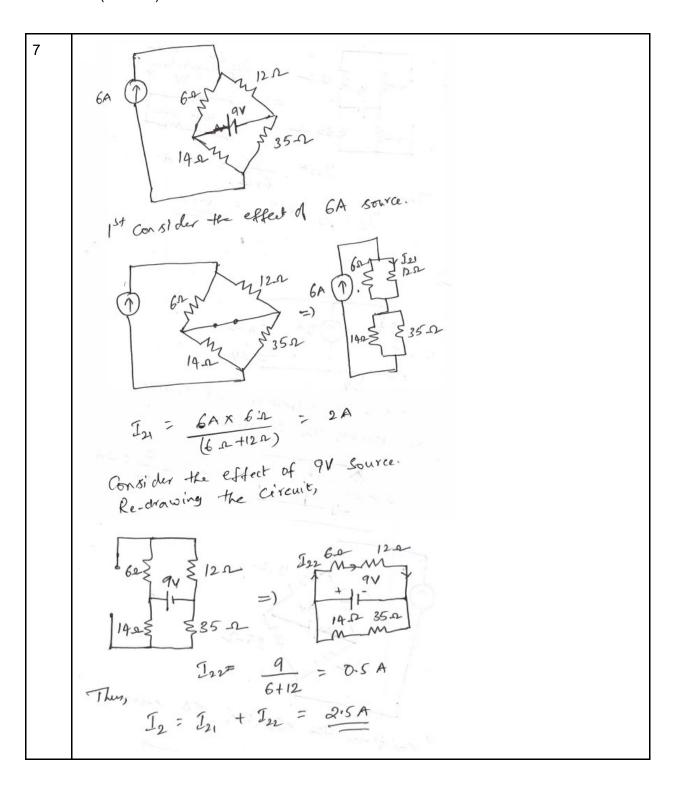
SNO	Answers
1	$V_{s} = I_{s} \cdot R_{s} = 2 \times 5 \cdot 6 = 11.2 \text{ V}$ $V_{s} = I_{s} \cdot R_{s} = 2 \times 5 \cdot 6 = 11.2 \text{ V}$ $V_{s} = I_{s} \cdot R_{s} = 2 \times 5 \cdot 6 = 11.2 \text{ V}$ $V_{s} = I_{s} \cdot R_{s} = 2 \times 5 \cdot 6 = 11.2 \text{ V}$ $V_{s} = I_{s} \cdot R_{s} = 2 \times 5 \cdot 6 = 11.2 \text{ V}$ $V_{s} = I_{s} \cdot R_{s} = 2 \times 5 \cdot 6 = 11.2 \text{ V}$ $V_{s} = I_{s} \cdot R_{s} = 2 \times 5 \cdot 6 = 11.2 \text{ V}$ $V_{s} = I_{s} \cdot R_{s} = 2 \times 5 \cdot 6 = 11.2 \text{ V}$ $V_{s} = I_{s} \cdot R_{s} = 2 \times 5 \cdot 6 = 11.2 \text{ V}$ $V_{s} = I_{s} \cdot R_{s} = 2 \times 5 \cdot 6 = 11.2 \text{ V}$ $V_{s} = I_{s} \cdot R_{s} = 2 \times 5 \cdot 6 = 11.2 \text{ V}$ $V_{s} = I_{s} \cdot R_{s} = 2 \times 5 \cdot 6 = 11.2 \text{ V}$ $V_{s} = I_{s} \cdot R_{s} = 2 \times 5 \cdot 6 = 11.2 \text{ V}$ $V_{s} = I_{s} \cdot R_{s} = 2 \times 5 \cdot 6 = 11.2 \text{ V}$ $V_{s} = I_{s} \cdot R_{s} = 2 \times 5 \cdot 6 = 11.2 \text{ V}$ $V_{s} = I_{s} \cdot R_{s} = 2 \times 5 \cdot 6 = 11.2 \text{ V}$ $V_{s} = I_{s} \cdot R_{s} = 2 \times 5 \cdot 6 = 11.2 \text{ V}$ $V_{s} = I_{s} \cdot R_{s} = 2 \times 5 \cdot 6 = 11.2 \text{ V}$ $V_{s} = I_{s} \cdot R_{s} = 2 \times 5 \cdot 6 = 11.2 \text{ V}$ $V_{s} = I_{s} \cdot R_{s} = 2 \times 5 \cdot 6 = 11.2 \text{ V}$ $V_{s} = I_{s} \cdot R_{s} = 2 \times 5 \cdot 6 = 11.2 \text{ V}$ $V_{s} = I_{s} \cdot R_{s} = 2 \times 5 \cdot 6 = 11.2 \text{ V}$ $V_{s} = I_{s} \cdot R_{s} = 2 \times 5 \cdot 6 = 11.2 \text{ V}$ $V_{s} = I_{s} \cdot R_{s} = 2 \times 5 \cdot 6 = 11.2 \text{ V}$ $V_{s} = I_{s} \cdot R_{s} = 2 \times 5 \cdot 6 = 11.2 \text{ V}$ $V_{s} = I_{s} \cdot R_{s} = 2 \times 5 \cdot 6 = 11.2 \text{ V}$ $V_{s} = I_{s} \cdot R_{s} = 2 \times 5 \cdot 6 = 11.2 \text{ V}$ $V_{s} = I_{s} \cdot R_{s} = 2 \times 5 \cdot 6 = 11.2 \text{ V}$ $V_{s} = I_{s} \cdot R_{s} = 2 \times 5 \cdot 6 = 11.2 \text{ V}$ $V_{s} = I_{s} \cdot R_{s} = 2 \times 5 \cdot 6 = 11.2 \text{ V}$ $V_{s} = I_{s} \cdot R_{s} = 2 \times 5 \cdot 6 = 11.2 \text{ V}$ $V_{s} = I_{s} \cdot R_{s} = 2 \times 5 \cdot 6 = 11.2 \text{ V}$ $V_{s} = I_{s} \cdot R_{s} = 2 \times 5 \cdot 6 = 11.2 \text{ V}$ $V_{s} = I_{s} \cdot R_{s} = 2 \times 5 \cdot 6 = 11.2 \text{ V}$ $V_{s} = I_{s} \cdot R_{s} = 2 \times 5 \cdot 6 = 11.2 \text{ V}$ $V_{s} = I_{s} \cdot R_{s} = 2 \times 5 \cdot 6 = 11.2 \text{ V}$ $V_{s} = I_{s} \cdot R_{s} = 2 \times 5 \cdot 6 = 11.2 \text{ V}$ $V_{s} = I_{s} \cdot R_{s} = 2 \times 5 \cdot 6 = 11.2 \text{ V}$ $V_{s} = I_{s} \cdot R_{s} = 2 \times 5 \cdot 6 = 11.2 \text{ V}$
2	$V_{3} = V_{12A} = V_{12A} = V_{12A}$ $V_{3} = V_{12A} = V_{12A} = V_{12A}$ $V_{5} = V_{12A} = V_{12A} = V_{12A}$ $V_{5} = V_{12A} = V_{12A} = V_{12A}$ $V_{5} = V_{12A} = V_{12A} = V_{12A} = V_{12A}$ $V_{5} = V_{5} = V_{5$

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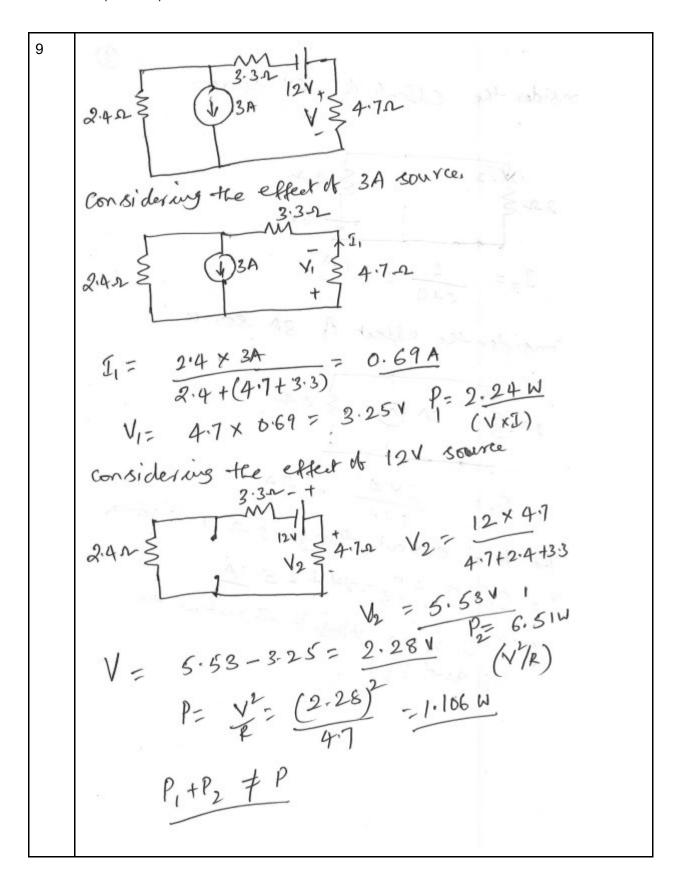
3	4 1 4 2 56 2
4	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$

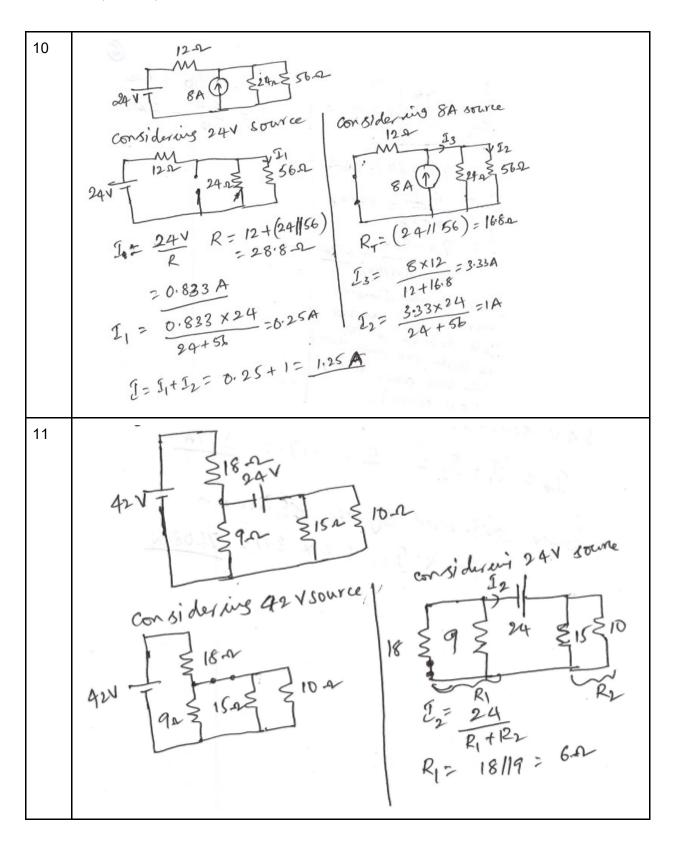






Consider the effect of 12 V Bource. Re-drawing the circuit, Consider the effect of 6V source: Consider the effect of 3A source The total current through 2 or resistoring I = I1+ I2+ I3 =-2+1+2 = IA (: It is in Opposite di rection to II and Is)





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\$180 \$9 \ 18 \ \ 10.	$R_2 = \frac{15}{10} = 62$ $I = \frac{24}{12} = 2A$
R, = (911 151/10) = 3.6-2	247 2 2 400
I = 42 - 1.944A	Medica - 3 · Vec
21= 9×1.949 = 1.17A	A 502 A
(Total everant flowers	504 3 8 X 8 2 B . O . E
gets divided in to terry to part terry to parts. One part terrough 9 22 and other	
24V source)	-+1.17 = 3.17A
Ia = 4+-2	H. Lourcen
Power delivered 57 P= V. I:	24× 3.17 = 76.08 W
	Mindly of room in