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	ELECTRICAL SCIENCE - I (15BILECIII)
	Tutorial Sheet - 2
Q.	1. Power supplied by the VCCS: la Va
_	id = 4Vc = 4(-2) = -8A
_	Va = 2 volt
_	Precs = -8x(2.2)= -17-6 watt dry :. Power = 17-6w A
9.6	(a) Current in R: $i = Vs = 15 = 3A$ Ay
	Power absorbed by resistor = P = 12R = 9x5 = 45 watt of
	(b) since neither Vs & nor R change and their is
4	no effect in L in R by changing is.
	$P = 45\omega $
Q.3	HGA 13 G 4V F
	L Ve
	$6V = \frac{\sqrt{2} + -2\sqrt{2}}{\sqrt{1}}$
	B 2A C D -3A €
	By KVL:
	In ABCHA: $-6-V_2=0$
	V2 = -6V #4
	$V_3 = 2-6 = -4V $
	In DEFGD: -1/4+4-2 = 0
	V6 = 2 V 9/





