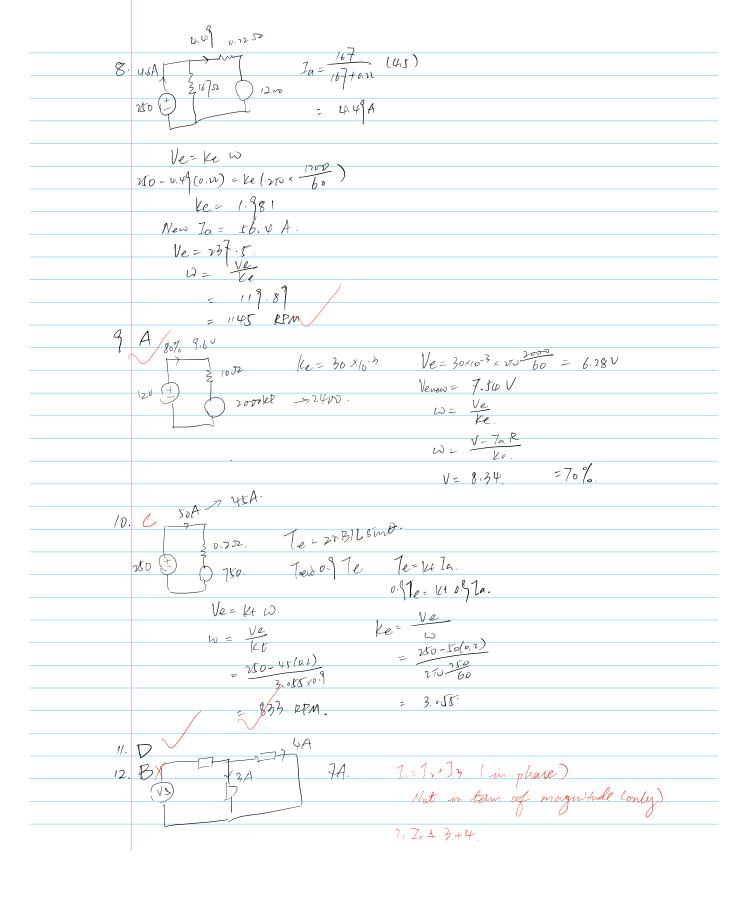
/.	C Since to selates to cail, AC should be implement.
7	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
<u> </u>	$\frac{A \wedge R \times \overline{j\omega}c}{R + \overline{j\omega}c} = \frac{R}{\overline{j\omega}c + 1} = \frac{R}{\overline{j\omega}c + 1} = \frac{R}{\overline{j\omega}c} = \frac{R}{\overline{j\omega}c + 1} = \frac{R}{\overline{j\omega}c} = \frac{R}{$
	R+jwc R+jwc Gwb+1
	Low pass falter Rib Vi=Vo
	/ "
3.	
(A.)	A #eq = Juc +j w2 + R1
	$=\frac{1}{j \omega_{2} x_{10}} + j \omega_{x} 20 x_{10} + \frac{3}{3} + \frac{3}{3} D$
	= 30 + jx/10 1 + j 20×10 3 W
	Vort = 30 Resonance frequency = 2to VEC 30 + 1/20×10 ³ W = 800 Hz.
	Vort - 30 Resonance frequency = 270 Jec 30 + Jecobs + Jeconolis 200 Hz.
5 .	
6.	BVepke. W
	= 50×10 ⁻³ × 210 × 60
	ε 6.28 V.
	Ia = V-Ve
	10
	0.57.
	Te: Kr (Ia)
	= 0+02818
7	$ATe = 30 \times 10^{3} (1.2) at \omega = 0.$
*.	$H/e = \frac{1}{2}0 \times 10 (1/2)$ at $U=0$.
	$R = \frac{12}{12} = 10 \text{ sz}.$
	·
	Ve= V- Zak.
	Kew = V- Tek.
	W: Ke - Jeke R.
	1
	= 333.3
	= 3(83 EPM.



12		
<u> </u>	1=25m(100t-45°) = 210s (100t-135°) C	
	iz = 05 cos (100t - 60°)	
	$\overline{l}_3 = l \cos (lost - 30^\circ)$	
	= -0.278 - j 2.34	
	= -0.298 - j.234 $= 2.37 (-97.24)$	
	'	
14	BIS = Z1 + I2 VS = \$CO. = 1245° + 12-45°	
	= 1245° + 12-45°	
	= 1.414 - 10)	
	$\frac{2}{2} = \frac{\sqrt{3}}{2}$	
	- 100 WL	
	T. 41460	
	z 3,1 Ψ.	
15.	Byc= jwc ZuzjwI	
	V2 7 Vc , i Lags - Vs Leading Is. Fr. V2 > Vo.	
16	B	
	Ecq = (to jo Xtotjo)	_
	20+0.	
	_ /0 ,	
	$V_2 = K \times \frac{10}{20}$	
	$= 2.5 \text{ V.} = \frac{5}{2} \text{ V}$	_
17	7	_
	$V_S - V_1 - V_2 = 0$	_
	B Vs-V1-V2=0. 10245-100-V2=0.	_
	N2: 102432- 520	
	= 2.071 + j 7.071	
	= 7.27 473.68°	
		_
	V2+V3-U4=0.	
	7.37 c73.68 + 5245° = V4	
	Vq = 12 2 62.1	

