$$\frac{\text{KCL Vc2}!}{3j} + \frac{\text{Vc2}}{-2j} + \frac{\text{Vc2}-\text{V1}}{4j} = 0.$$

$$=)$$
 $V_{c2} = 3V_1 = 120j + 3V_{c2}$

$$=$$
) $V_{c2} = -60j = 60 L-90°$