1)
$$V = 2(2 + \cos t)i + 3 \Rightarrow correct controlled$$

$$i = \frac{V - 3}{2(2 + \cos t)} \Rightarrow Voltage controlled$$

f(i,v,t) = 0 has time dependency = not time invariant (or time variant)

$$V_1 + V_2 = 2(2 + \cos t)(i_1 + i_2) + 6 \stackrel{?}{=} V(i_1 + i_2) = 2(2 + \cos t)(i_1 + i_2) + 3$$

$$X \Rightarrow non linear$$

$$i \rightarrow -i$$
 2 $(2 + \cos t)(-i) + 3 \stackrel{?}{=} -v = -2(2 + \cos t)i - 3$
 $\times \Rightarrow_{A} bilateral$

