Taller de fasores e impedancia:

1) Evalúe los siguientes números complejos:

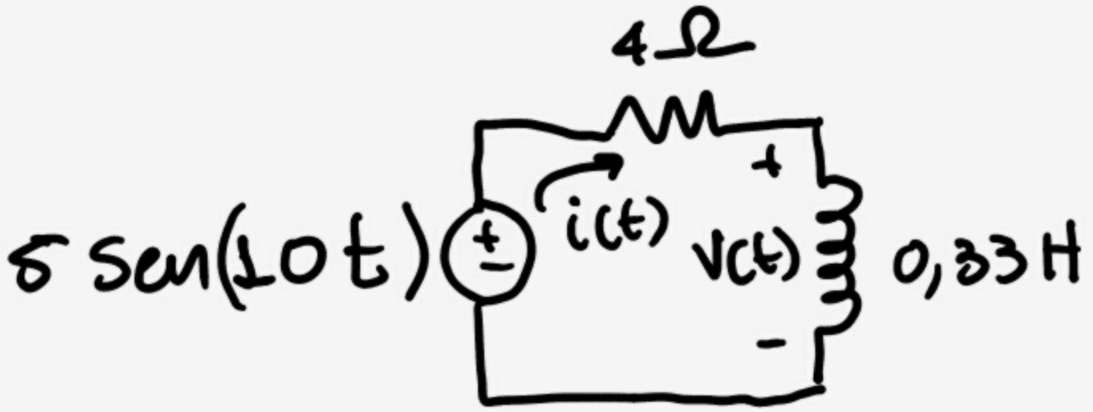
a) $\dfrac{10\angle 30 + (3 - j4)}{(2+j4)(3-j5)^*}$

R:/ $0{,}565\angle -41{,}03$

b) $[(5+j2)(-1+j4) - 5\angle 60]^*$

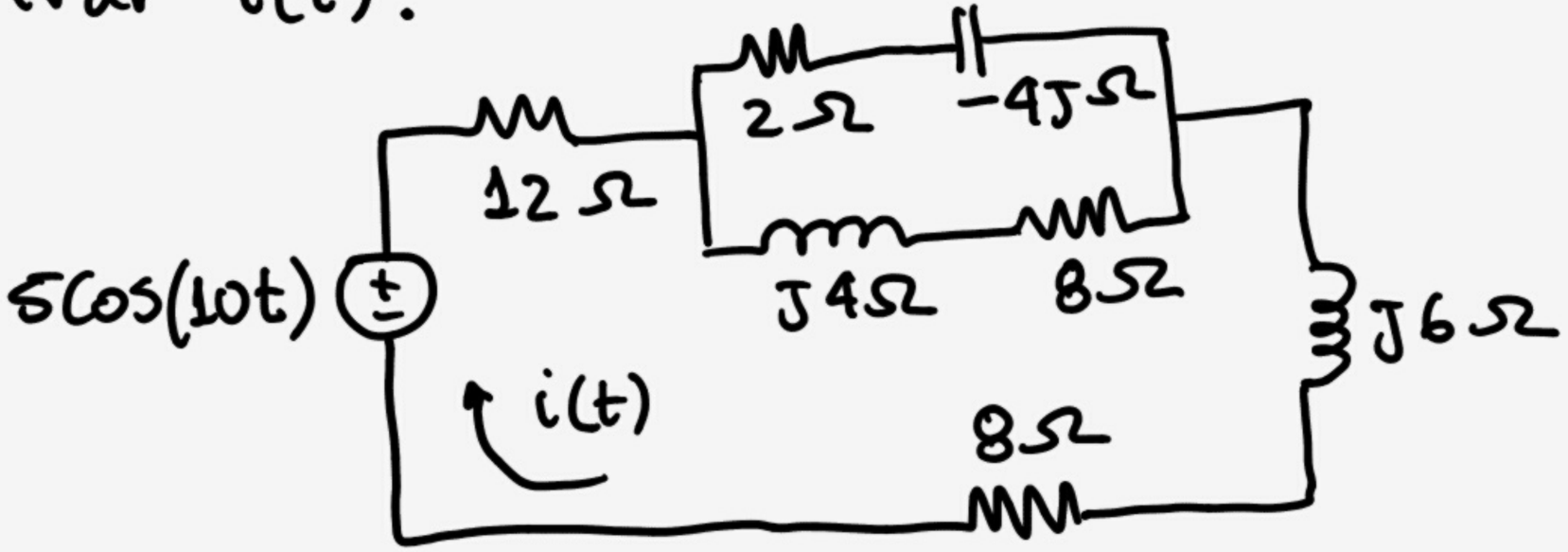
R:/ $-15{,}5 + j13{,}67$

2) Encuentre $v(t)$ e $i(t)$:

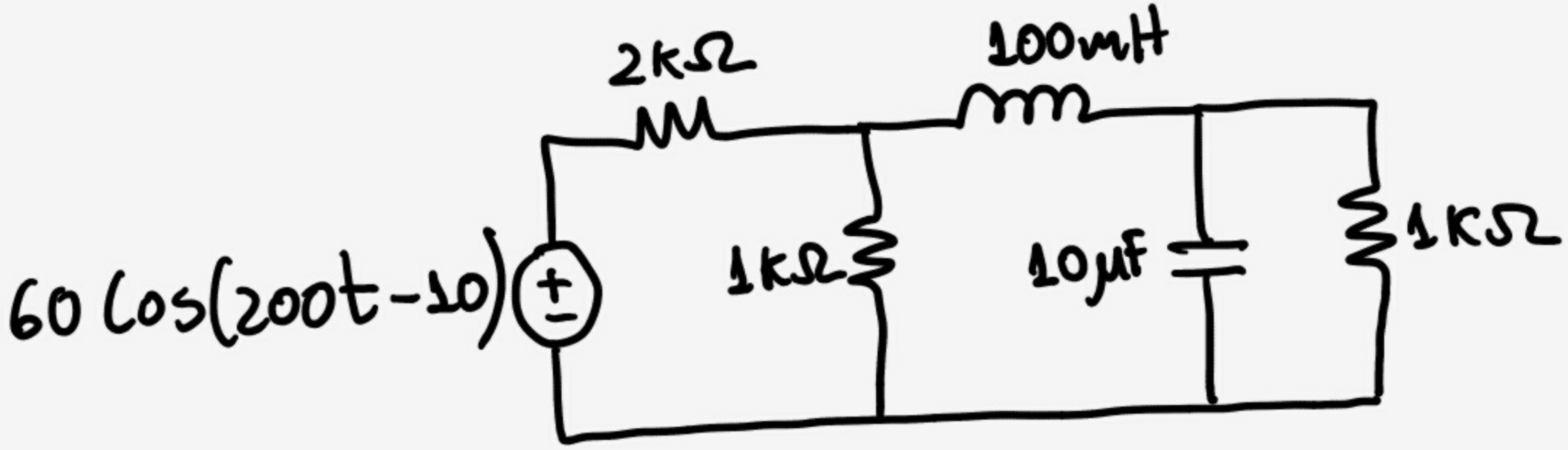


3) Encontrar $i(t)$:

a)

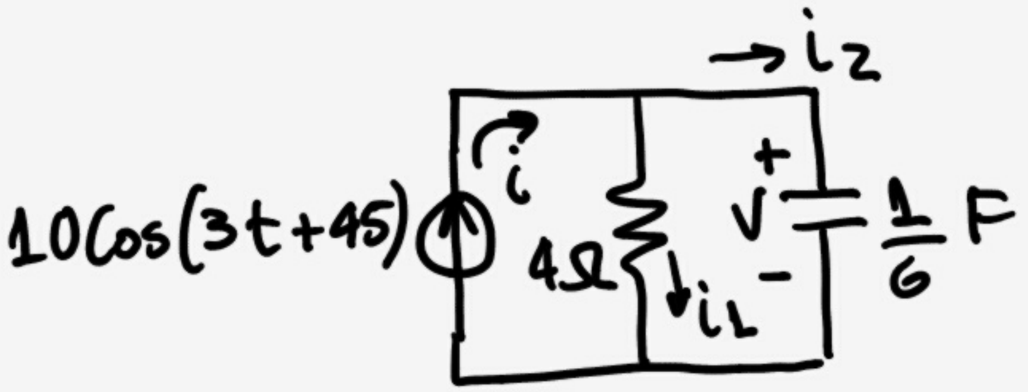


b)

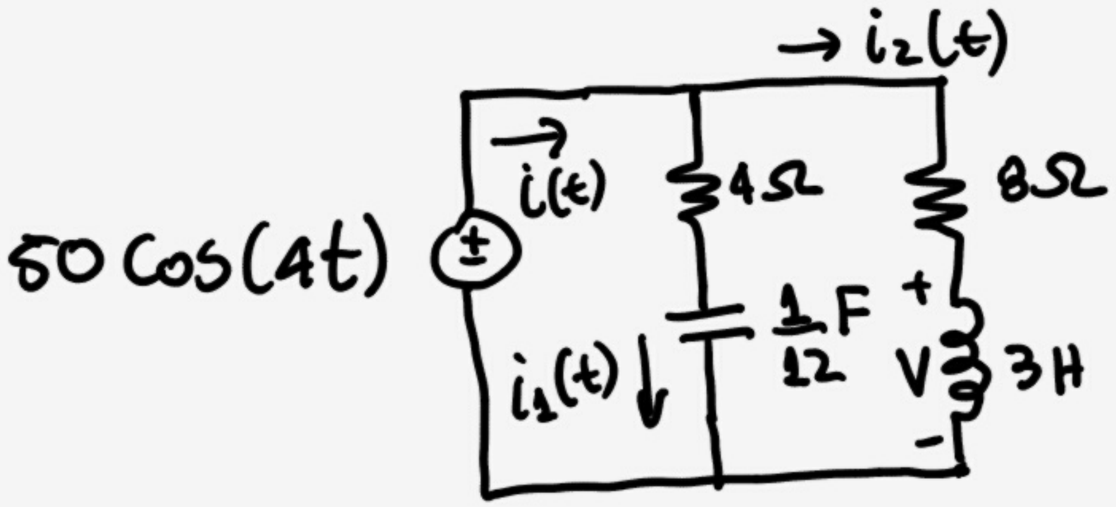


4) Halle $i(t)$ y $v(t)$ en cada uno de los circuitos.

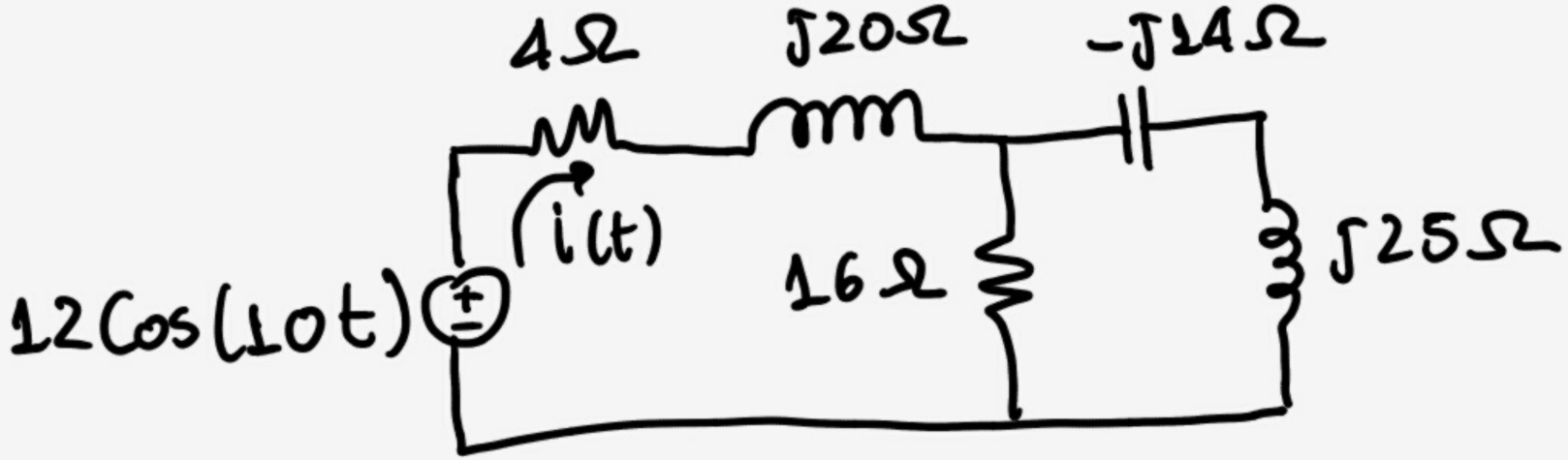
a)



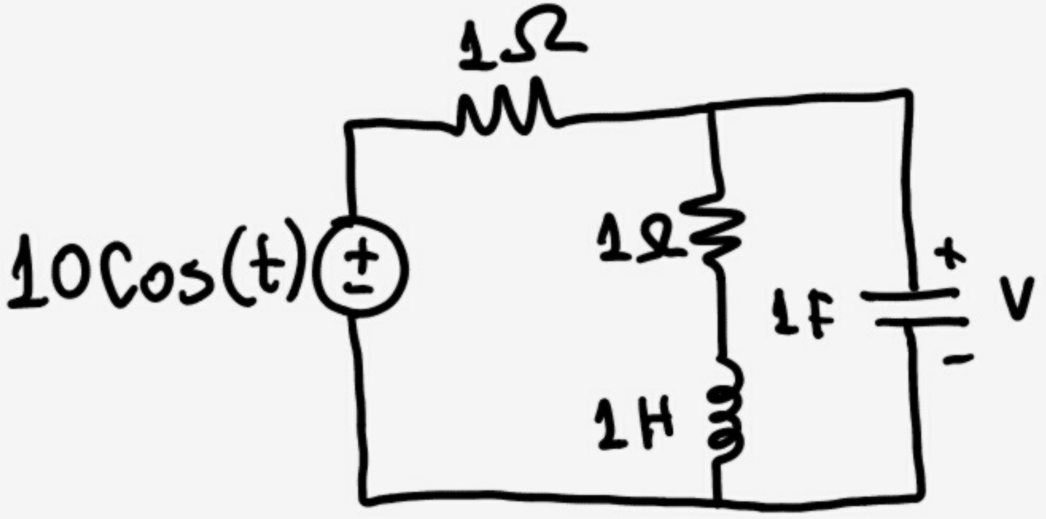
b)



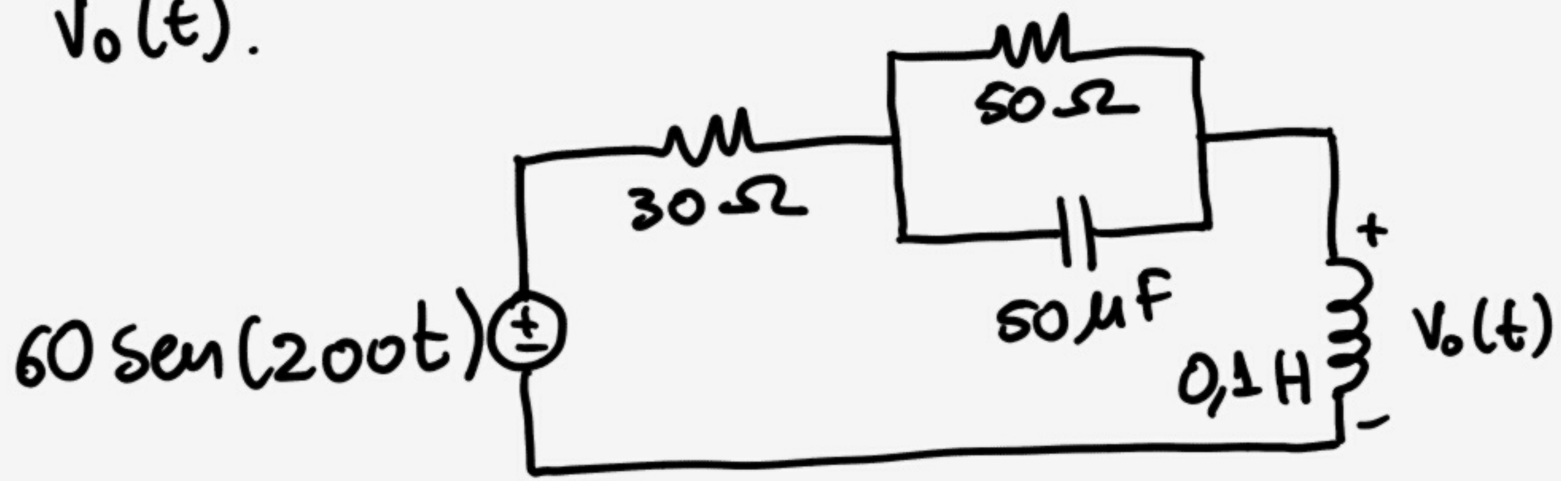
5) Hallar i(t).



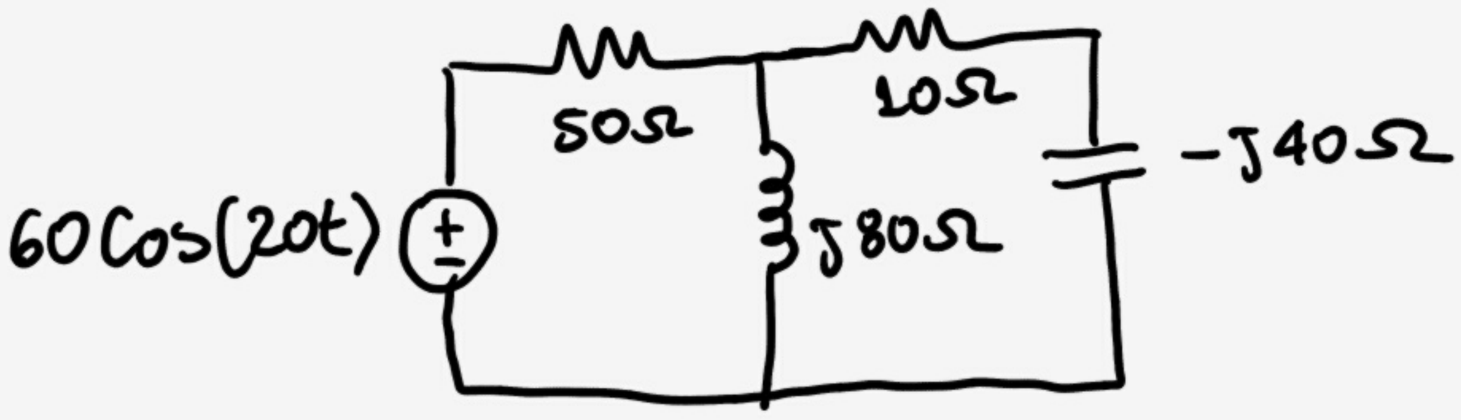
6) Hallar V(t).



7) Calcule $V_o(t)$.

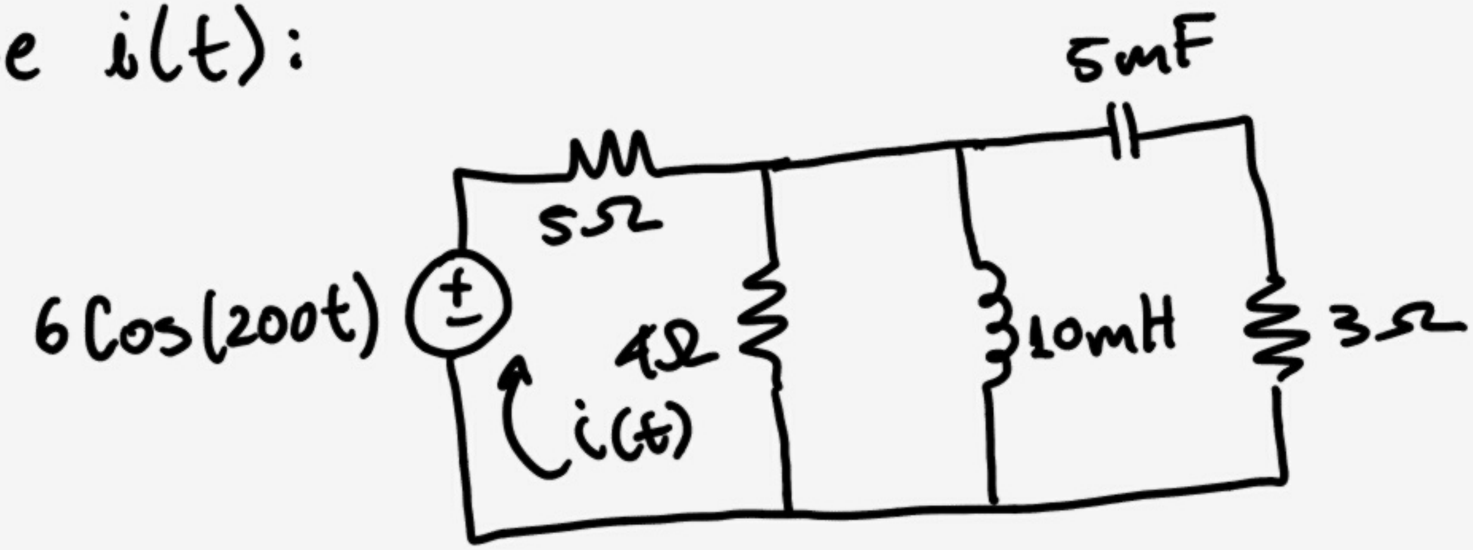


8) Halle $i_o(t)$.

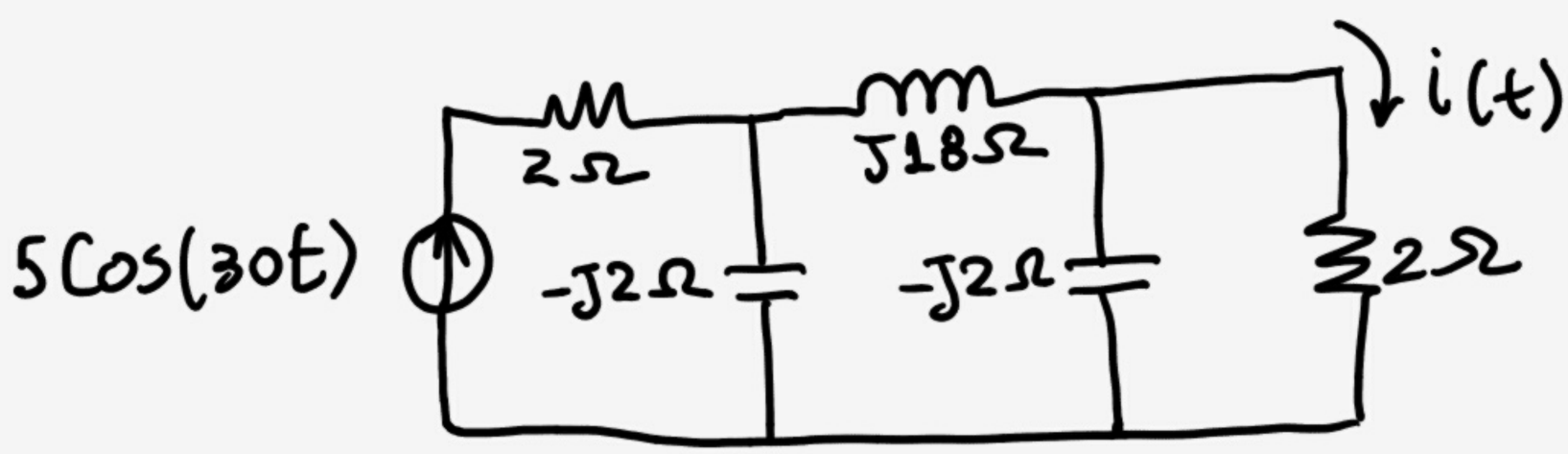


9) Calcule $i(t)$:

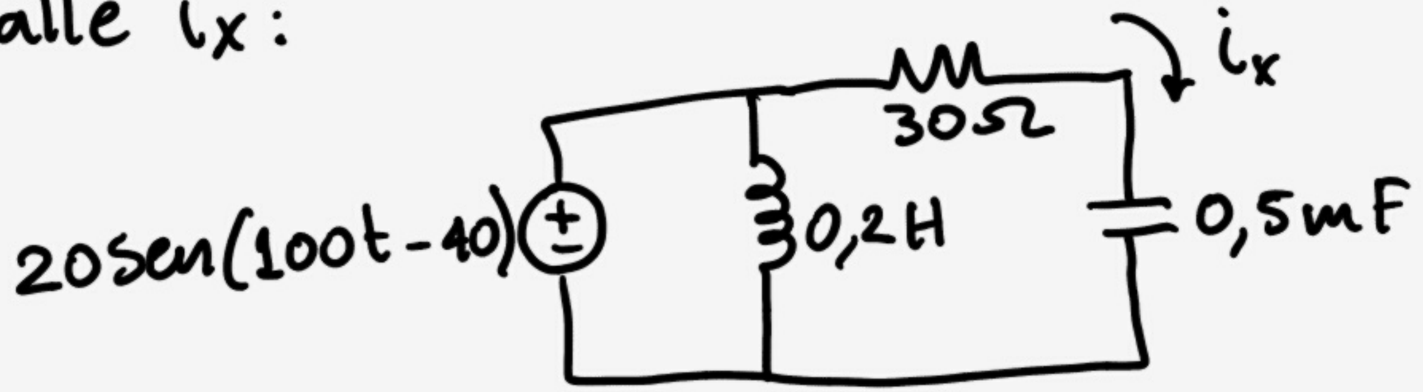
a)



b)



10. Halle i_x:



11. Halle Vx.