Value of x, y for Questions 1, 2

$y \rightarrow$ Last two digits of your ID
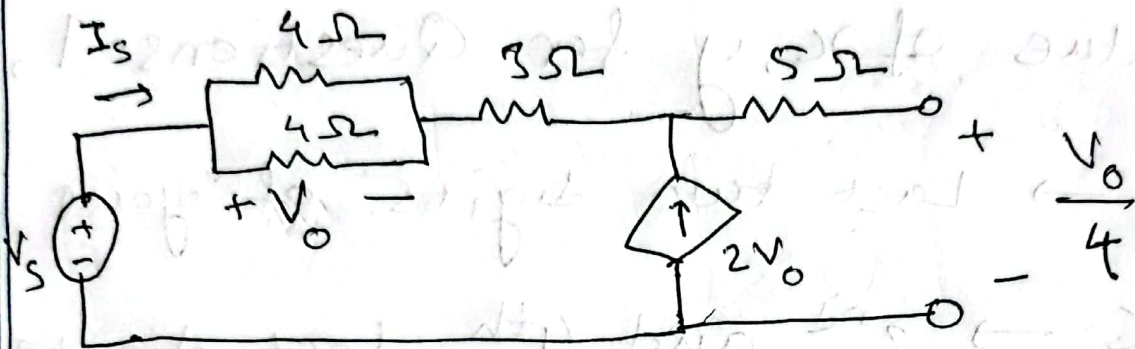
$x \rightarrow$ 3rd and 4th last digits of your ID

For example, if your ID is
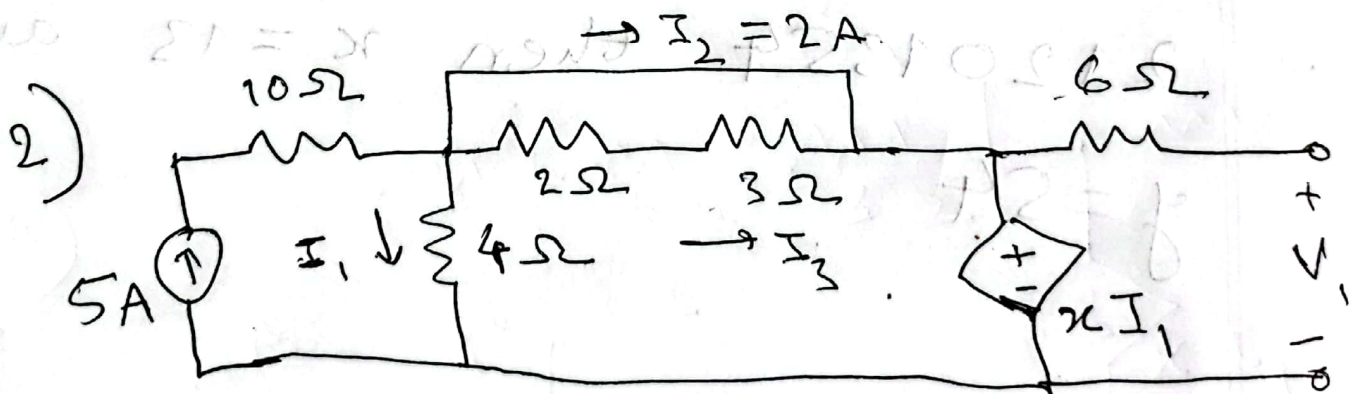
21201354 then $x = 13$ and
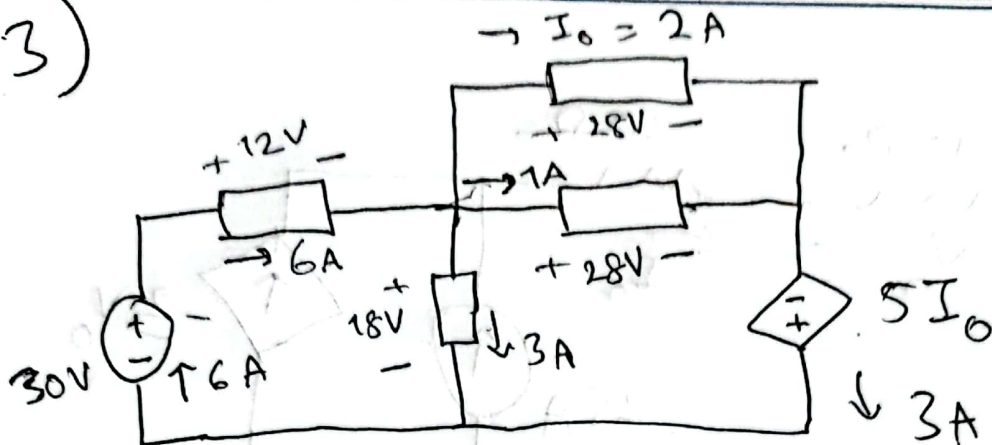
$y = 54$

1) $q_s = x \left[5 - e^{-6yt} + \sin(4xt) \right]$

find V_0, I_s and the power supplied/
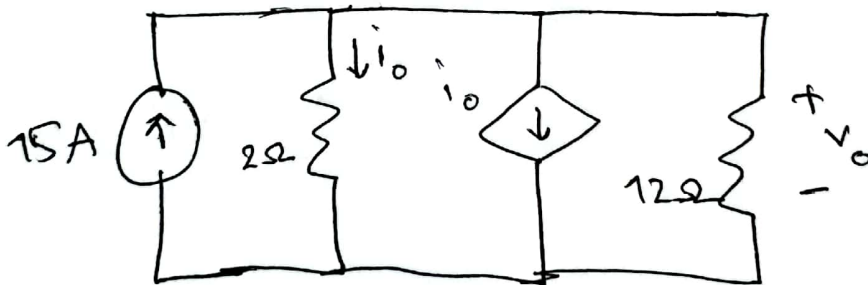absorbed by the dependent source
for $t = 0.1s$.

2)

Find I_1, I_3, V_1 and the number
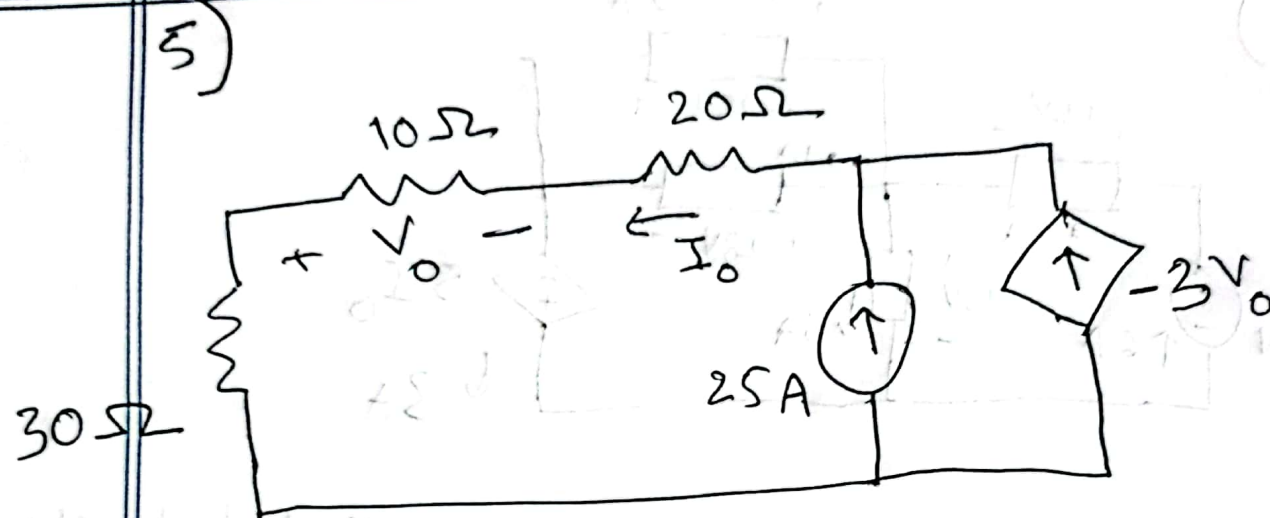of nodes. (label the nodes)

3)

Find the power supplied /absorbed by each element in the circuit.

4)

Find v_0, i_0 and the power supplied /absorbed by the dependent source.

5)

Find V_0, I_0, and power supplied / absorbed by the dependent source