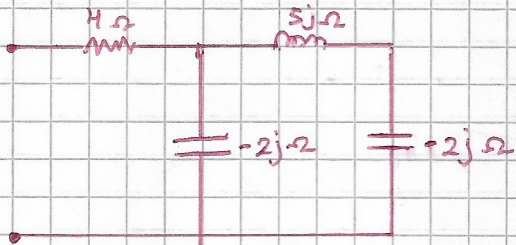
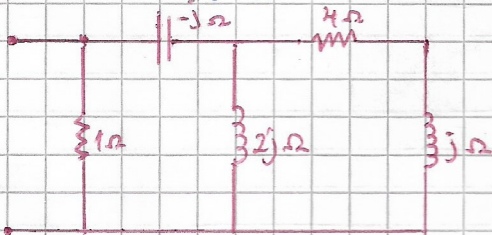


Obtener el factor de potencia de cada circuito.



$$Z = 4 + \frac{(5j - 2j)(-2j)}{5j - 2j - 2j} = 4 - \frac{6}{j} = 4 - 6j$$

$$\theta = \tan^{-1}\left(\frac{-6}{4}\right) = -56.31^\circ$$



$$Z_1 = 4 + j$$

$$Z_2 = \frac{2j(4 + j)}{4 + 3j} = 0.64 + 1.52j$$

$$Z_3 = 0.64 + 0.52j$$

$$Z_{eq} = \frac{1(0.64 + 0.52j)}{1.64 + 0.52j} = 0.672 + 0.304j$$

$$\theta = \tan^{-1}\left(\frac{0.304}{0.672}\right) = 24.341^\circ$$