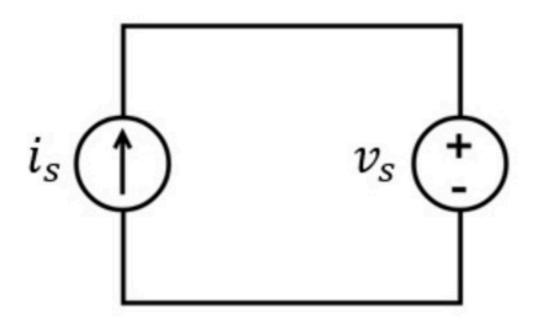
Basic concepts 007

Problem has been graded.

Find the power P_1 supplied by the current source and the power P_2 supplied by the voltage source.



Given Variables:

v_s:10 V

i_s:6A

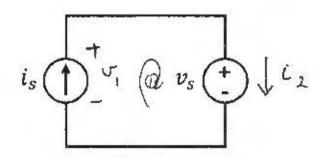
Calculate the following:

P_1 (W):

P_2 (W):

Find the power P_1 supplied by the current source and the power P_2 supplied by the voltage source.

$$Is = 4A$$



$$i_s \oint \sigma_i \int i$$
 $i = -i_s = -4A$

Figure convention

 $i = 40$

$$P_{1} = U_{1} \cdot L = 10 (-4) = -40 \text{ w}$$
 $L = -L_{S} = -4A$

$$P_1 = U_5 \cdot U_2 = 10 \ 4 = 40 \text{W received}$$

$$P_2 = -40 \text{W rappled}$$