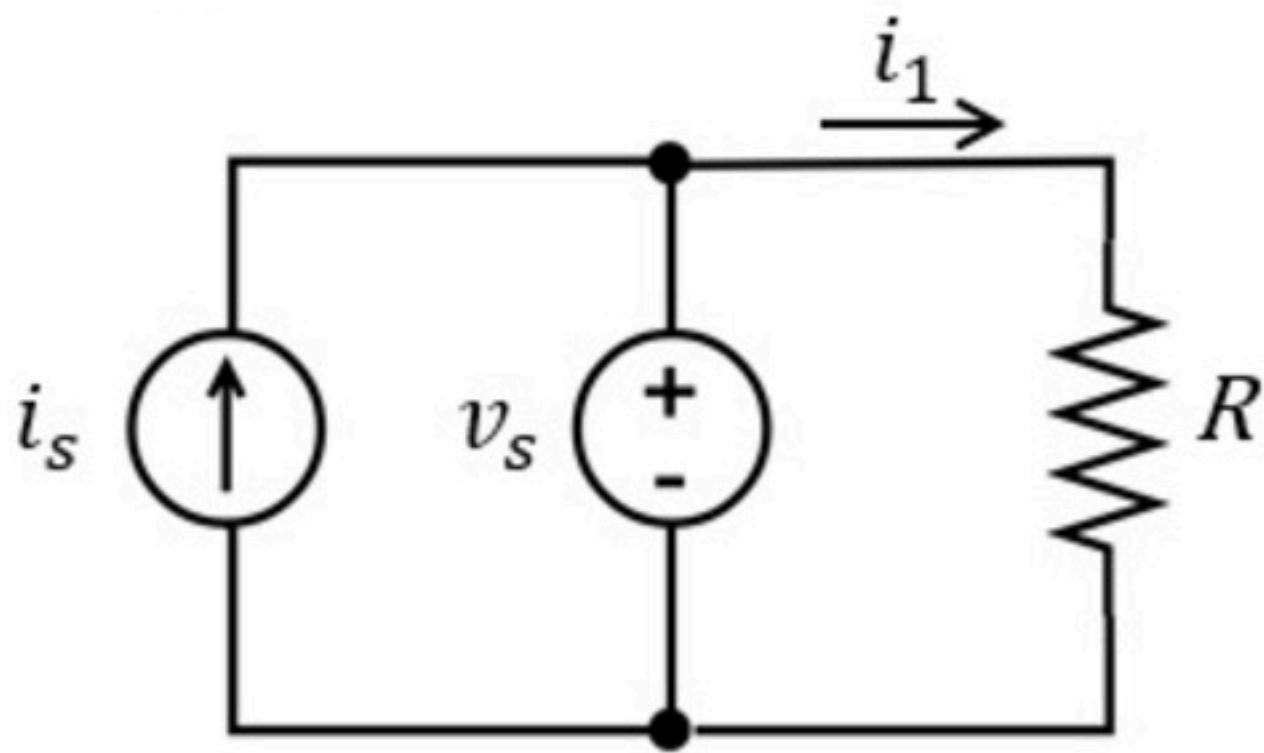


Basic concepts 006

Problem has been graded.

Find the current i_1 and the power P_1 received by the resistor.

Then change the current source to 5A. Recalculate the current i_1 (renaming it to i_2) and the power P_2 received by the resistor.



Given Variables:

v_s : 16 V

i_s : 4 A

R : 8 ohm

Calculate the following:

i_1 (A) :

P_1 (W) :

i_2 (A) :

P_2 (W) :

Hint: The voltage across a current source can be non-zero