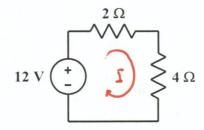
## EE 2240 **Problem #07**

Given the circuit shown below:



a. How much power does the source supply?

Assume I flows clockwise as shown. Then
$$(21)I + (41)I = 12V$$

$$= > 6I = 12 \quad \text{or} \quad I = 2A$$
The 12V source supplies  $(12V) \cdot I = (12V)(2A) = 24W$ 

b. How much power is absorbed by the  $4\Omega$  resistor?