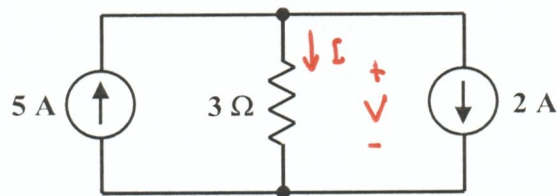


EE 2240
Problem #06

Determine whether each component *absorbs* or *delivers* power. In each case, also calculate how much power is absorbed or delivered.



$$I = 5A - 2A = 3A$$

$$V = (3\Omega) I = 9V$$

The 5A source delivers $(5A)V = 5A \cdot 9V = 45W$

The 3Ω resistor absorbs $V I = (9V)(3A) = 27W$

The 2A source absorbs $(2A)V = (2A)(9V) = 18W$