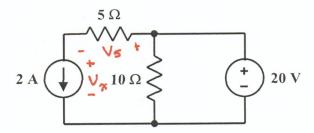
EE 2240 **Problem #10**

Given the circuit shown below:



a. How much power does the 5Ω resistor absorb?

b. How much power does the 10Ω resistor absorb?

c. Does the independent current source deliver power or absorb power? How much?

$$V_5 = (51)(2A) = 10V$$

$$V_8 = -V_5 + 20V = -10V + 20V = 10V$$

:. The independent current source absorbs (10V)(ZA) = ZOW

d. Does the independent voltage source deliver power or absorb power? How much?