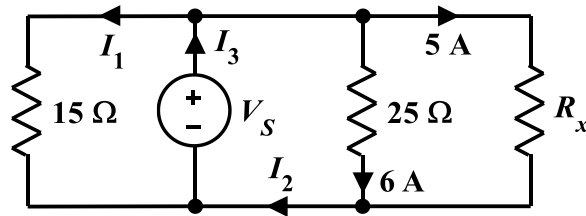


EE/EET 2240
Homework Problem 006

For the circuit shown below:



- Determine the value of V_S .
- Determine the value of I_1 .
- Determine the value of I_2 .
- Determine the value of I_3 .
- Determine the value of R_x .
- How much power does the 15Ω resistor absorb?
- How much power does the 25Ω resistor absorb?
- How much power does R_x absorb?
- How much power does the independent voltage source deliver?
- Verify that power is conserved.