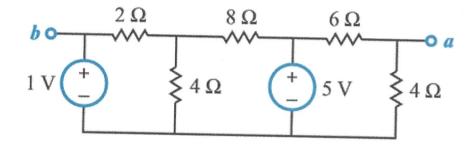
Solution

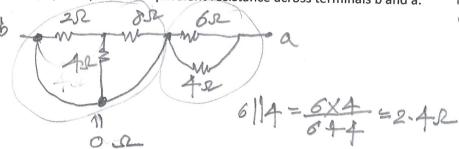
EE101 Quiz 4, February 5, 2019

Name	Student ID Number	

This problem is to find a Thevenin's equivalent circuit for terminals b and a.



Part A (4 points) Find an equivalent resistance across terminals b and a.



Part B (3 points) Find the open-circuit voltage across b and a as $V_{oc} = V_b - V_a$.

Part C (3 points) If you connect $R_L=2.6\Omega$ to terminals b and a, how much power would be delivered to R_L ?

$$F_{R} = \frac{1}{2.6 + 2.4} = 0.2 A$$

$$P_{R} = (F_{R}) F_{L} = (0.2) \times 2.6$$

$$= 0.104 W = 104 [mw]$$