

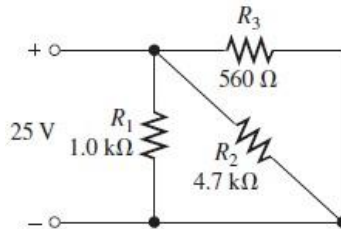
Basic Electronics (Section A21)

Assignment # 2

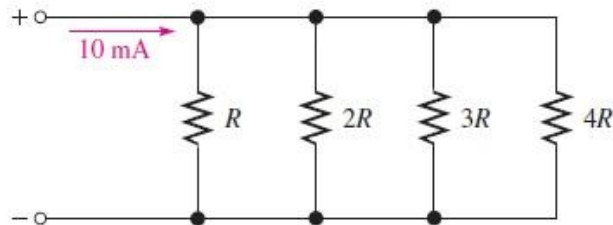
Due Date: 10/12/2021

Total Marks:15

1. What is the voltage across and the current through each parallel resistor if the total voltage is 12 V and the total resistance is 550Ω ? There are four resistors, all of equal value. (2)
2. A travel trailer has four running lights that draw 0.5 A each and two taillights that draw 1.2 A each. What is the current supplied to the trailer when the taillights and running lights are on? (2)
3. What is the total current in the circuit below? (3)



4. What is the current through each resistor in the circuit below? R is the lowest-value resistor, and all others are multiples of that value as indicated. (5)



5. Determine the current in each branch of the current dividers of in following circuit (3)

