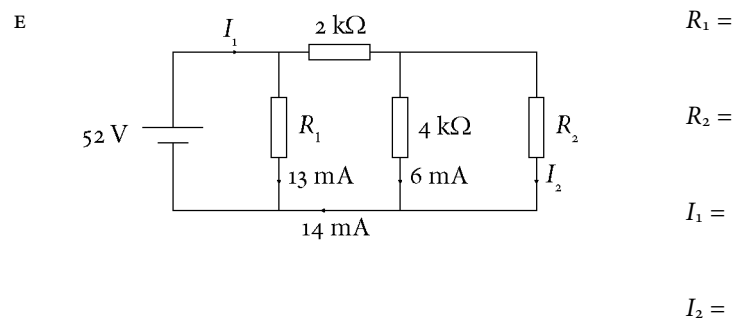
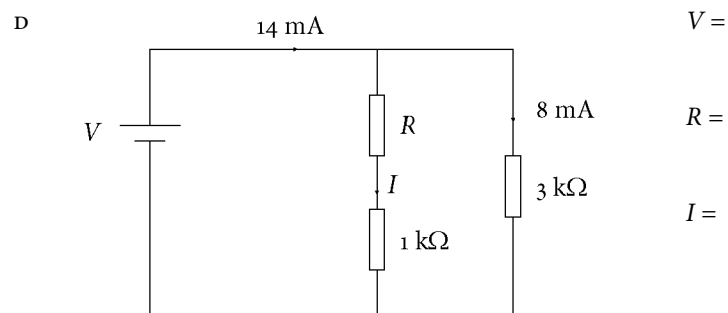
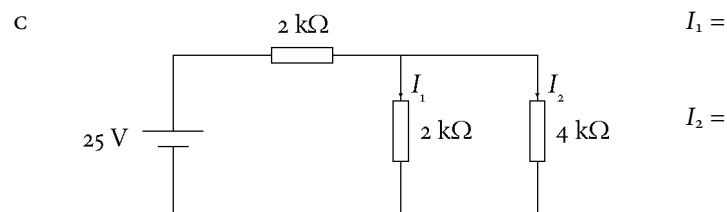
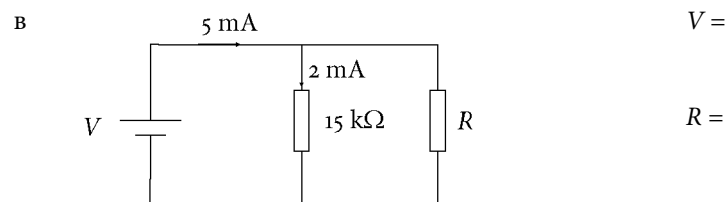
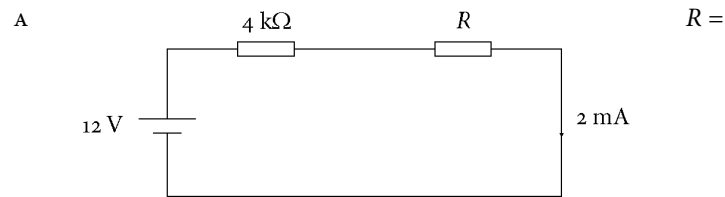


RESISTOR CIRCUITS 1

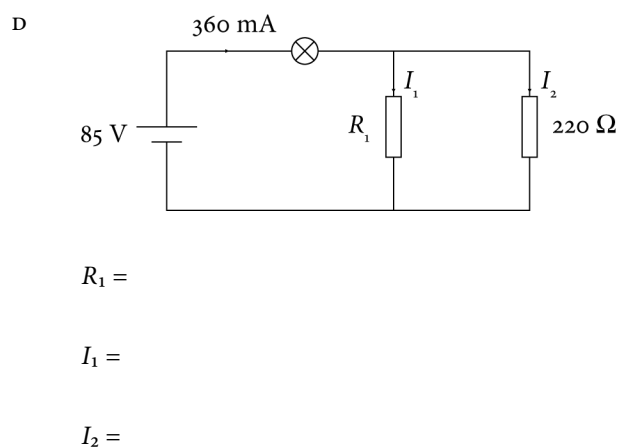
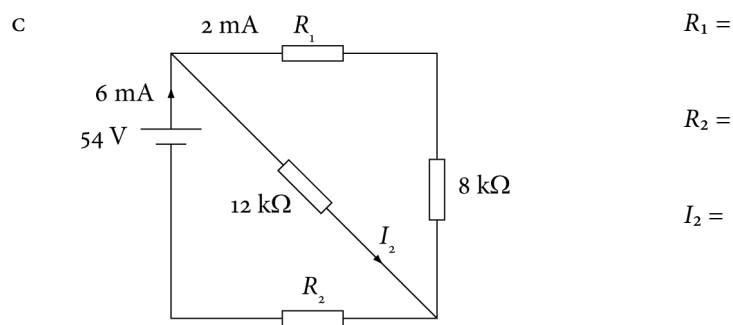
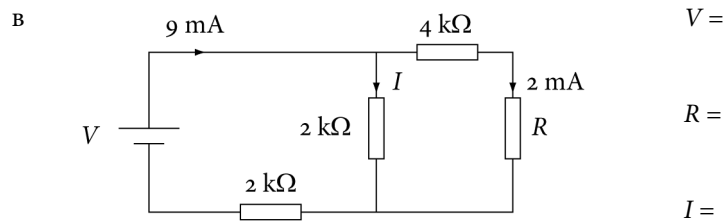
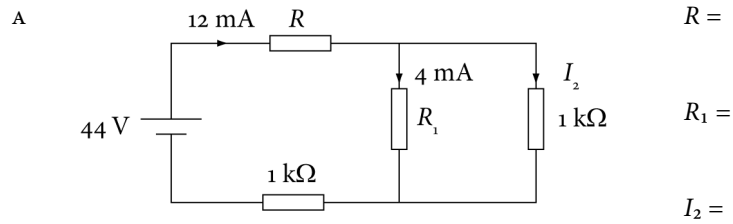
Applying the rules for voltage and current dividers, find the missing quantities in the five resistor circuits.



SOLUTIONS: A 2 kΩ; B 30 V, 10 kΩ; C 5 mA, 2.5 mA; D 24 V, 3 kΩ, 6 mA; E 4 kΩ, 3 kΩ, 27 mA, 8 mA

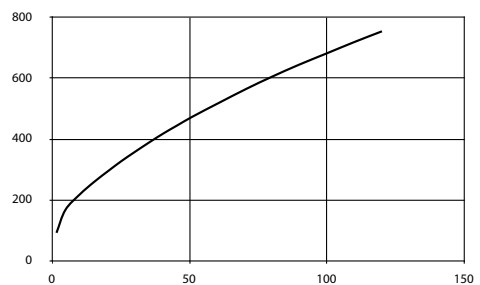
RESISTOR CIRCUITS 2

Applying the rules for voltage and current dividers, find the missing quantities in the five resistor circuits.



Characteristic of the light bulb:

I [mA] vs. ΔV [V]



SOLUTIONS: A 2 k Ω , 2 k Ω , 8 mA; B 32 V, 3 k Ω , 7 mA; C 16 k Ω , 1 k Ω , 4 mA; D 0.5 k Ω , 250 mA, 110 mA