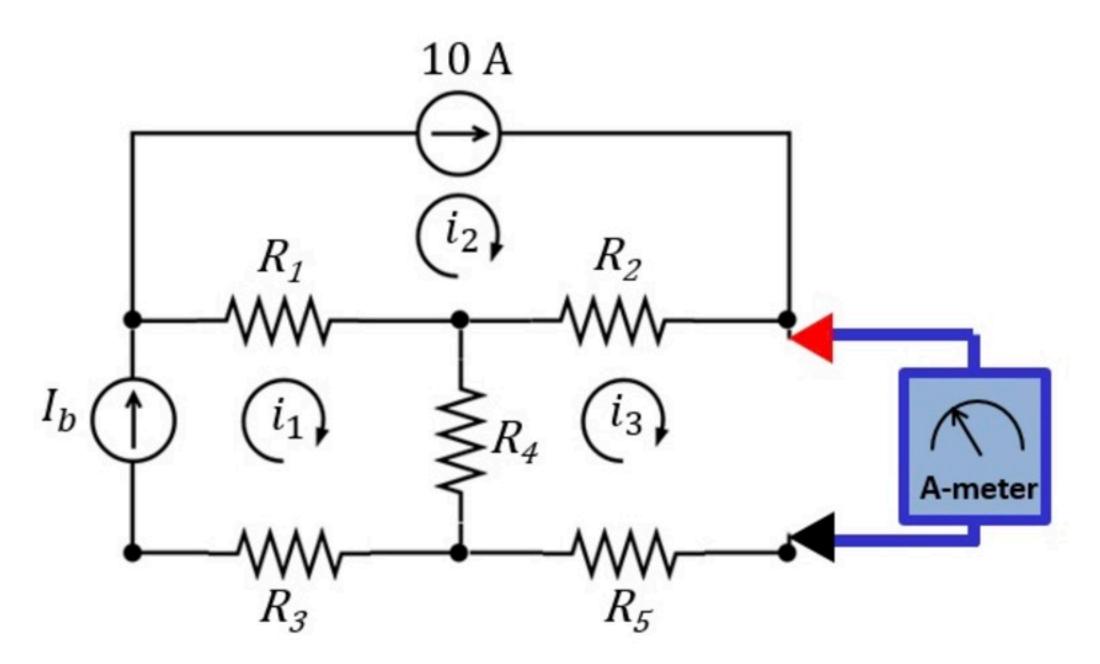
## Nodal Mesh 007

## Problem has been graded.

Given the ammeter reading X, find the value of resistance  $R_4$ .



## Given Variables:

R1:2 ohm

R2:3 ohm

R3:2 ohm

R5:5 ohm

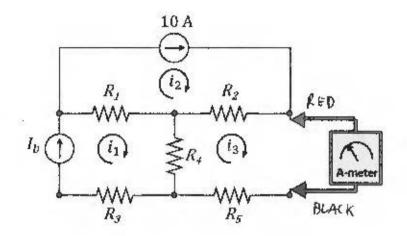
X:3A

lb:1A

Calculate the following:

R4 (ohm):

Given the ammeter reading X, find the value of resistance  $R_4$ .



$$R1 = 19 \Omega$$

$$R2 = 2 \Omega$$

$$R3 = 3 \Omega$$

$$R5 = 2 \Omega$$

$$X = 3 A$$

$$i_3 = X = 3$$

$$L_1 = I_b = I$$

A-METER

KVL MESH 3. Ry (i3-c1) + R1 (i3-c2) + 0 + R5 c3 8