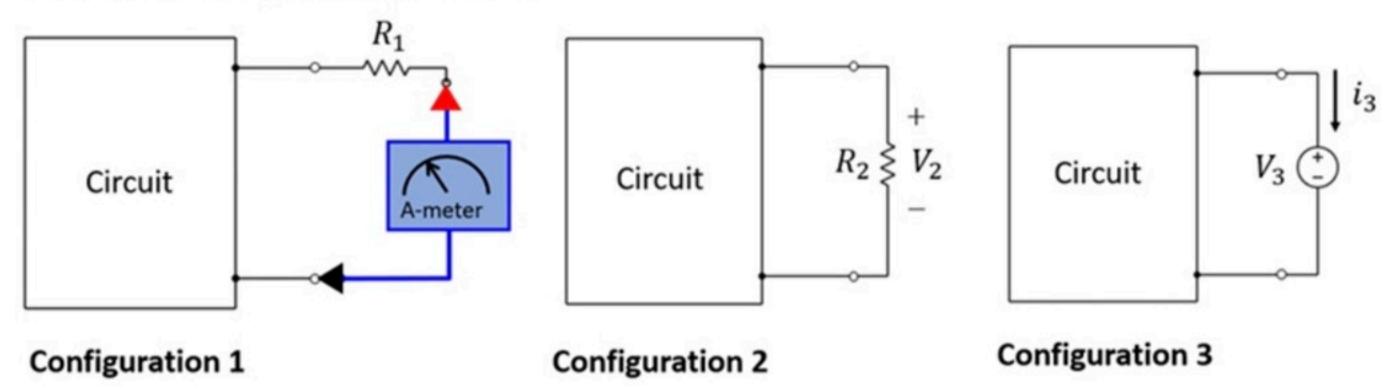
Circuit theorems 017

No more attempts left.

The box contains a linear circuit. This same circuit is placed into the three configurations shown below.

The reading of the ammeter in configuration 1 is given as X.

Find the current i_3 in configuration 3.



Given Variables:

X:8A

R1:1 ohm

V2:20 V

R2:10 ohm

V3:2V

Calculate the following:

i3 (A):