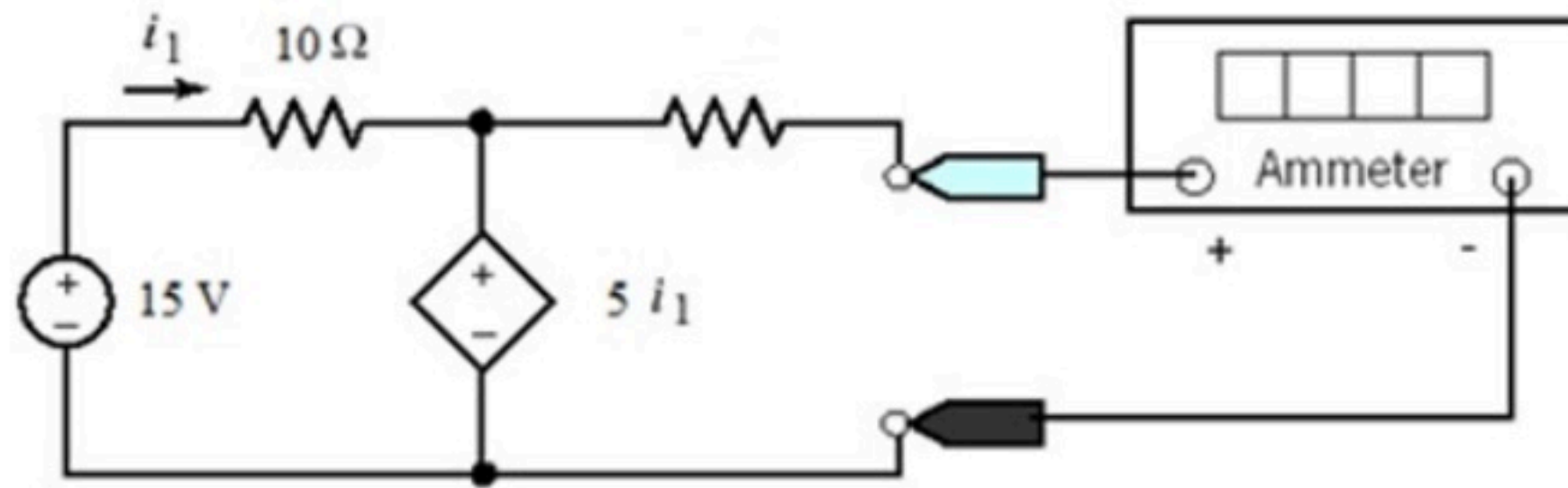


PP Circuit theorems 002

Unlimited Attempts.

You build the circuit below and use an ammeter to measure the current through the unknown resistor. The ammeter reading is 0.1 A.

Now someone changes the voltage source from 15V to 30V, but leaves everything else unchanged. What will be the new reading X of the ammeter?



Given Variables:

...

Calculate the following:

X (A) :

0.2



Hint: Is the system linear? What does that mean in terms of input - output?