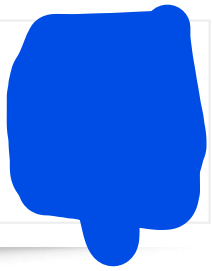


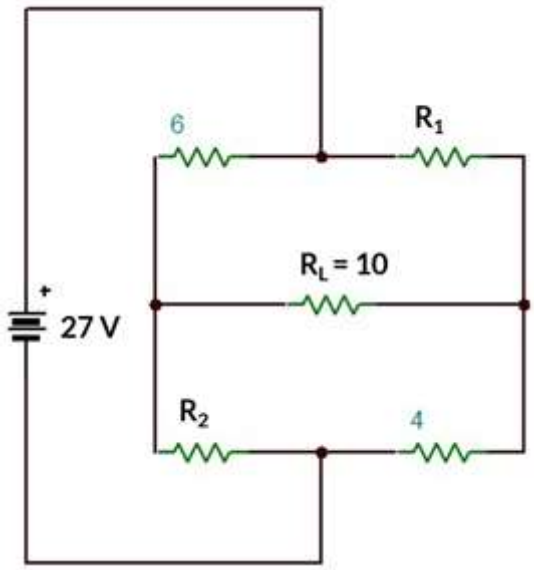
Started on	Thursday, 17 December 2020, 7:11 PM
State	Finished
Completed on	Thursday, 17 December 2020, 7:41 PM
Time taken	29 mins 56 secs
Grade	**4.00** out of 5.00 (**80**%)

Question 1

Correct

Mark 1.00 out of 1.00

Find the Thevenin's equivalent resistance (R_{th} in Ohm) for the circuit shown in Figure below when R1=8.5 Ohm and R2=7.8 Ohm. (All resistances are in Ohm)



Select one:

- a. 18.33
- b. 6.11 ✓
- c. 12.22
- d. 3.06

Your answer is correct.

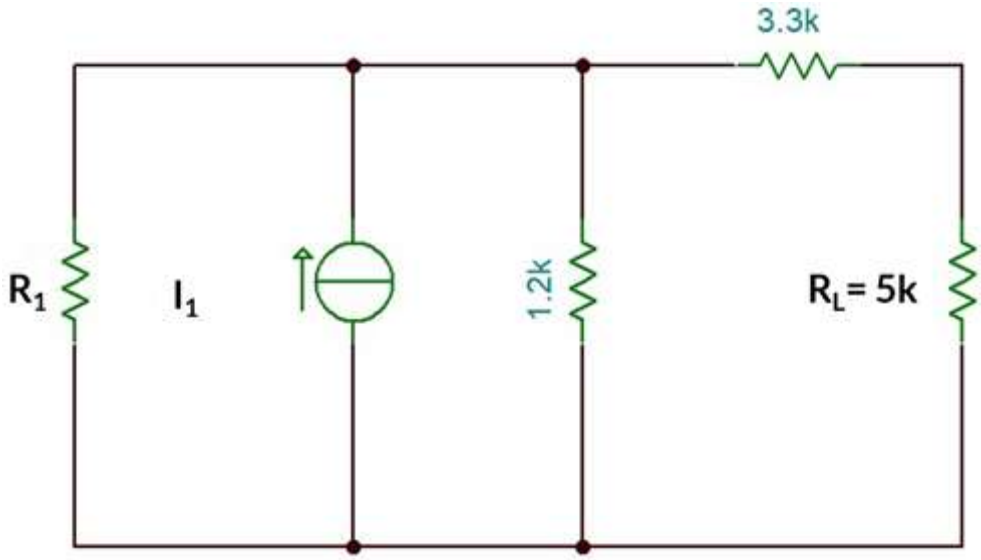
The correct answer is: 6.11

Question 2

Correct

Mark 1.00 out of 1.00

Find the current (in mA) through the resistor R_L for the circuit shown below when R1=3.8 kOhm and I1=4.3 mA.



Select one:

- a. 0.21
- b. 0.85
- c. 0.71
- d. 0.43 ✓

Your answer is correct.

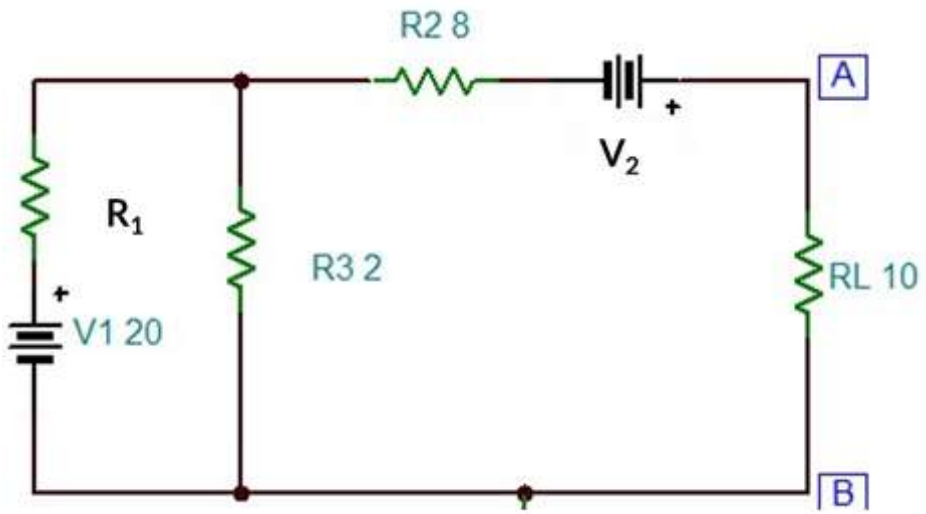
The correct answer is: 0.43

Question 3

Incorrect

Mark 0.00 out of 1.00

Find the voltage (in Volt) across the resistor R_L for the circuit shown below when R1=3.9 Ω and V2=1.7 V. (All resistances are n Ohm)



Select one:

- a. 8.78 ✗
- b. 2.19
- c. 4.39
- d. 1.32

Your answer is incorrect.

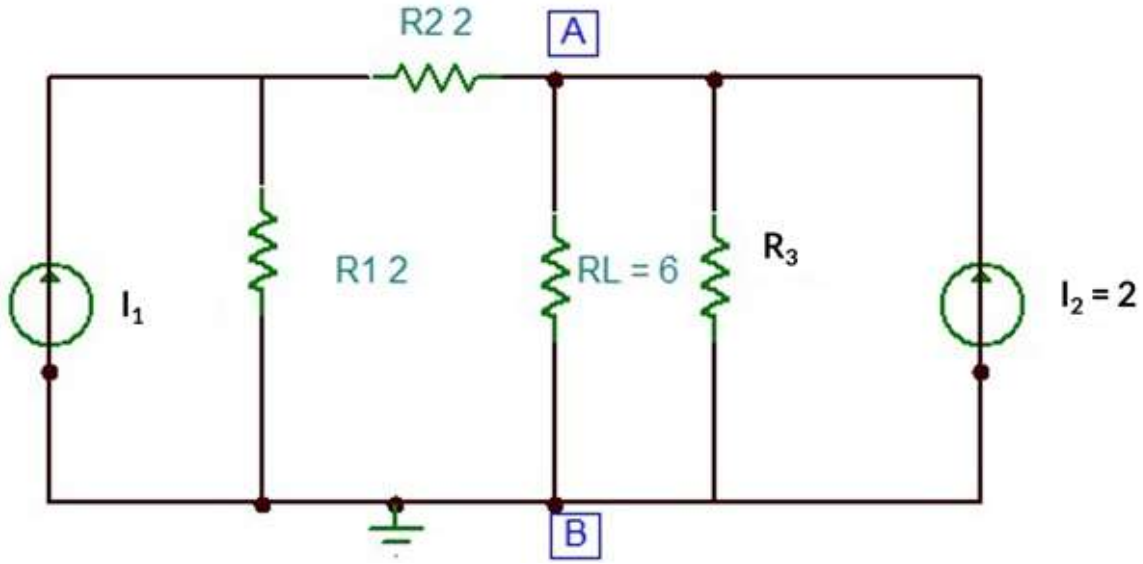
The correct answer is: 4.39

Question 4

Correct

Mark 1.00 out of 1.00

Evaluate the voltage (in Volt) across the load resistor R_L for the given circuit when R3=9.7 Ohm and I1=8.7 A. (All resistances and currents are in Ohm and Ampere, respectively)



Select one:

- a. 48.87
- b. 12.22 ✓
- c. 24.43
- d. 6.11

Your answer is correct.

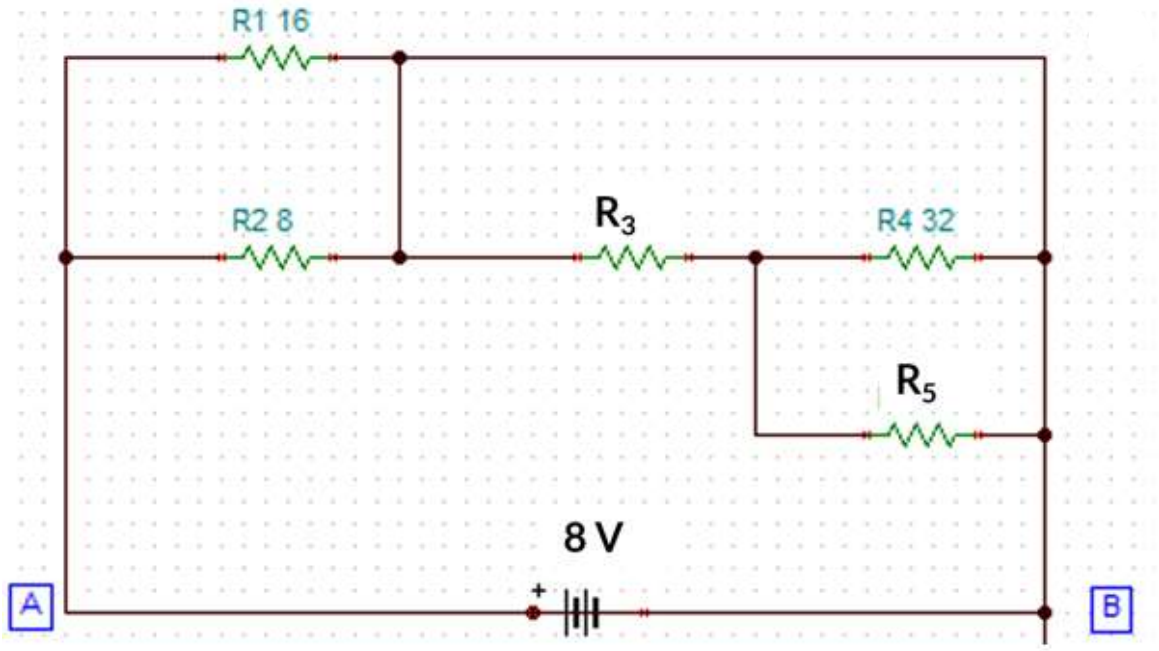
The correct answer is: 12.22

Question 5

Correct

Mark 1.00 out of 1.00

Find the current (in Ampere) flowing through the resistor R_3 in the circuit shown below when R3=7.6 Ohm and R5=5.1 Ohm. (All resistance values are in Ohm).



Select one:

- a. 0.79
- b. 0.31
- c. 0.00 ✓
- d. 0.63

Your answer is correct.

The correct answer is: 0.00