

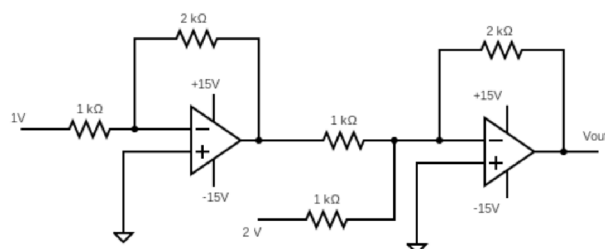
Started on	Thursday, 11 January 2024, 2:00 PM
State	Finished
Completed on	Thursday, 11 January 2024, 2:10 PM
Time taken	9 mins 45 secs
Marks	4.00/4.00
Grade	10.00 out of 10.00 (100%)

Question 1

Correct

Mark 1.00 out of 1.00

2 For the given circuit, find the value of the output voltage

Answer:

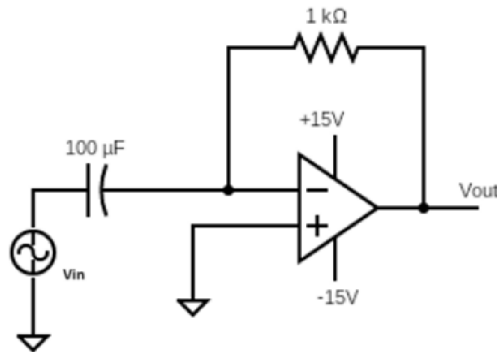
The correct answer is: 0

Question 2

Correct

Mark 1.00 out of 1.00

4 Given the input function $V_{in} = 100 \cdot \sin(t)$, what will be the amplitude of the output

Answer:

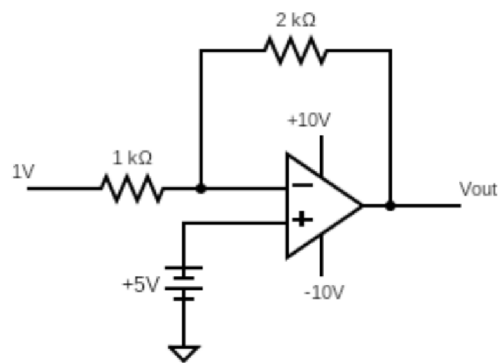
The correct answer is: 10

Question 3

Correct

Mark 1.00 out of 1.00

- 1 For the given inverting Operational Amplifier, what will be the value of the output voltage, given the saturation voltage $V_{sat} = 10V$



Answer: 10



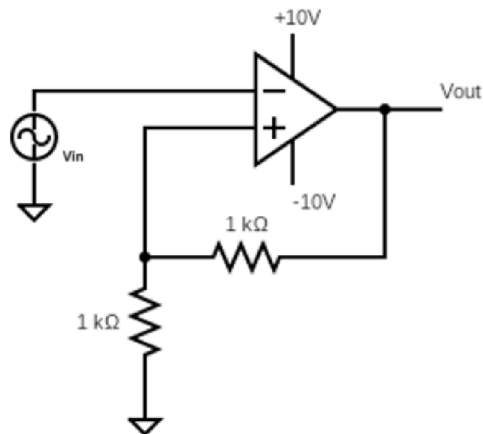
The correct answer is: 10

Question 4

Correct

Mark 0.50 out of 0.50

- 3** Given the circuit for the inverting schmitt trigger, find the value of the UTP (Upper Threshold Voltage) and LTP (Lower Threshold Voltage)



The Value of Lower Threshold voltage(LTP) is

Answer:

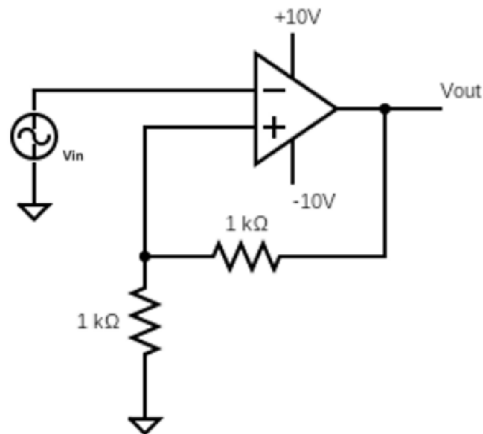
The correct answer is: -5

Question 5

Correct

Mark 0.50 out of 0.50

- 3** Given the circuit for the inverting schmitt trigger, find the value of the UTP (Upper Threshold Voltage) and LTP (Upper Threshold Voltage)



The Value of upper threshold is

Answer:

The correct answer is: 5

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