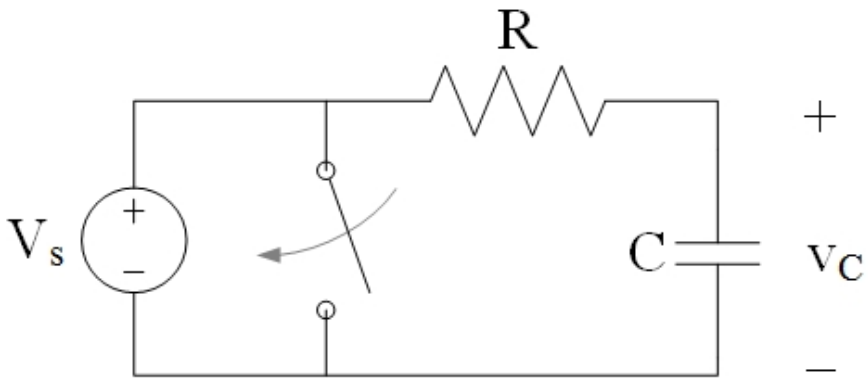
Started on	Wednesday, 13 March 2019, 8:58 AM
State	Finished
Completed on	Wednesday, 13 March 2019, 9:22 AM
Time taken	24 mins 31 secs
Grade	**100.00** out of 100.00

Question 1

Correct

Mark 100.00 out of 100.00



Quiz 6f

Given: After a long time the switch closes at t = 0.

V_s = 12 V R = 1 kΩ (kilo Ohm) C = 5 nF (nano F)

a) Determine the initial voltage across the capacitor.

$v_C(t = 0)$ = 12 ✓ V

b) Find the time domain voltage $v_c(t)$ across the capacitor for $t \geq 0^+$.

$v_C(t \geq 0)$ = 12 ✓ exp(-200000 ✓ t) Volts

Correct

Marks for this submission: 100.00/100.00.

◄ Quiz 5 - Chapter 12

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Quiz 7 - Chapter 13 ►