

Started on Wednesday, 14 September 2016, 11:58 AM

State Finished

Completed on Wednesday, 14 September 2016, 12:18 PM

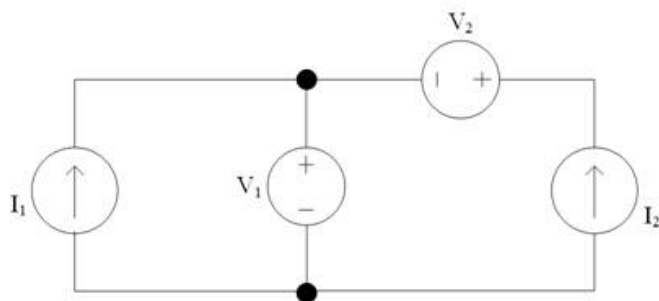
Time taken 20 mins 2 secs

Grade 100.00 out of 100.00

Question 1

Correct

Mark 40.00 out of 40.00



Quiz 2-1

Given: $I_1 = 13$ Amps $V_1 = 227$ Volts $I_2 = 2$ Amps $V_2 = 67$ Volts

What is the current through the voltage source V_1 ?

Answer: 15



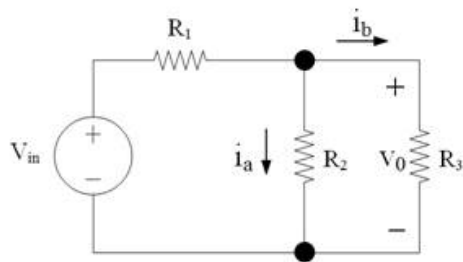
Calculated

The correct answer is: 15.00

Question 2

Correct

Mark 60.00 out of 60.00



Quiz 2-2d

Given: $V_{in} = 30$ V (Volts) $R_1 = 4 \Omega$ (Ohm) $R_2 = 20 \Omega$ (Ohm) $R_3 = 80 \Omega$ (Ohm)a) Find the value of i_a . $i_a = 1.2$ ✓ Ab) Find the value of v_0 . $v_0 = 24$ ✓ V

c) Find the power dissipated in each resistor.

 $P_{R1} = 9$ ✓ W $P_{R2} = 28.8$ ✓ W $P_{R3} = 7.2$ ✓ Wd) Find the power delivered by the V_{in} source. $P_{V_{in}} = -45$ ✓ W

Remember: “-” = Delivering “+” = Absorbing

Numeric Answera) $i_a = 1.20$ Ab) $v_0 = 24.0$ Vc) $P_{R1} = 9.0$ W $P_{R2} = 28.80$ W $P_{R3} = 7.20$ Wd) $P_{V_{in}} = -45.0$ W