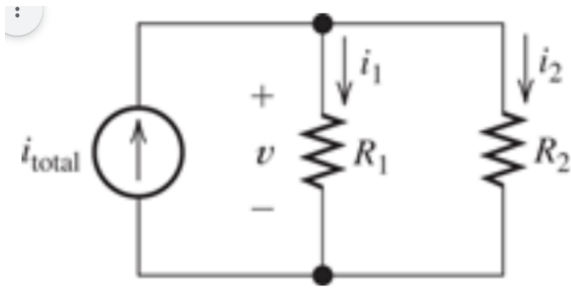


Quiz 3 (4/5/2021) Answers

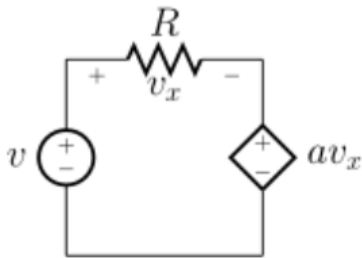


Q1: If $R_1 > R_2$, which statement is true?

A.) i_1 is greater than i_2

B.) i_1 is less than i_2

C.) i_1 equals i_2



Q2a: What type of element is the right-side element?

A.) independent voltage source

B.) independent current source

C.) dependent voltage source

D.) dependent current source

Q2b: If $V=100V$, $R=10$, what must the value of "a" be?

A.) 1

B.) 4

C.) 5

D.) 10

E.) cannot be determined (current, i is needed)

Q3: What type of loss occurs in transformers due to magnetization saturation in the core of the transformer?

A.) Hysteresis loss

B.) Stray loss

C.) Dielectric loss