



Find the value of current, i_1 , for each of the above circuits.

SOL'N: a) Since there is an open circuit, the current must be zero.

 $i_1 = 0 A$

b) If there is a current source in a branch, (components in series), the current everywhere in that branch must be the same as the current source.

$$i_1 = 5 \ \mu A$$

c) The current must match the current source, but the polarity is inverted since the arrow in the current source is in the opposite direction of i_1 .

$$i_1 = -4$$
 A

Ex: