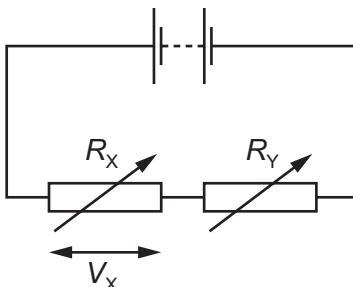


- 36 A potential divider circuit is formed by connecting a battery of negligible internal resistance in series with two variable resistors, as shown.



The variable resistors have resistances R_x and R_y .
 V_x is the potential difference across resistance R_x .

R_x and R_y are both changed at the same time.

Which combination of changes **must** cause V_x to increase?

	R_x	R_y
A	larger	larger
B	larger	smaller
C	smaller	larger
D	smaller	smaller

- 37 In the circuit shown, contact may be made at any point along the 3Ω resistor (potentiometer).