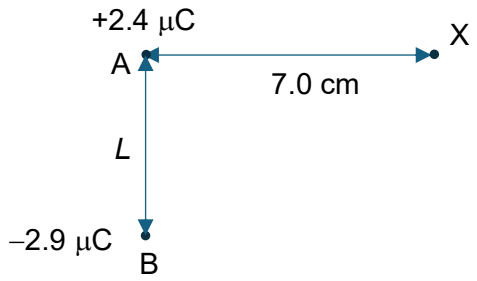
22 A point charge of +2.4 μC is placed at point A. Point X is 7.0 cm to the right of point A as shown.



A point charge of −2.9 μC is placed at point B, distance *L* below point A.

What must be the distance *L* for point X to have zero potential?

A 4.7 cm

B 5.8 cm

C 8.4 cm

D 11 cm