

20 Two identical point charges are 9.00 mm apart in free space.

The force between them is 2.84×10^{-24} N.

The charges are moved to 1.00 mm apart.

What is the force between the charges now?

A 3.51×10^{-26} N

B 3.16×10^{-25} N

C 2.56×10^{-23} N

D 2.30×10^{-22} N

21 A fixed charge is isolated in space. The electric potential at X, a distance of 1.3×10^{-5} m from the