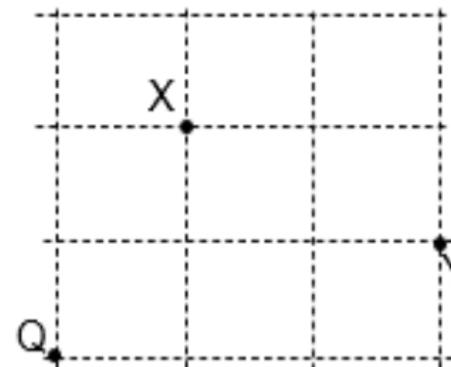


- 19** An isolated point charge is placed at point Q. The electric potential at point X is measured to be 720 V.

The relative positions of the three points Q, X, and Y are shown on the grid of squares below.



If the electric potential at X is 720 V, what is the electric potential at Y?

**A** 509 V

**B** 581 V

**C** 720 V

**D** 936 V

- 20** A cylindrical piece of wire has resistance  $R$ . It is stretched uniformly so that its length becomes