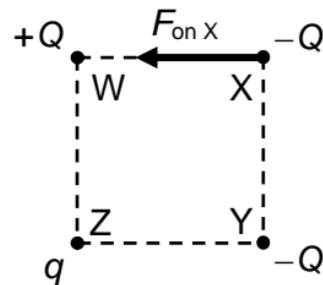


- 19 Point charges  $+Q$ ,  $-Q$ ,  $-Q$ , and  $q$  are located at the corners W, X, Y and Z of a square respectively as shown.

The charge at X experiences a net electric force towards W.



What is the magnitude of charge  $q$  in terms of  $Q$ ?

- A**  $+Q$
- B**  $+2Q$
- C**  $+2\sqrt{Q}$
- D**  $+2\sqrt{2}Q$