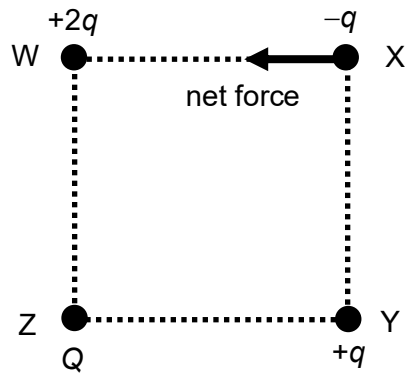


- 18 The figure below shows three charges $+2q$, $-q$ and $+q$ placed at the corners W, X and Y of a square WXYZ respectively. A fourth charge Q is placed at Z, after which the charge at X experiences a net electric force indicated by the arrow.



What is the value of Q ?

- A** $-2.8q$ **B** $-1.4q$ **C** $1.4q$ **D** $2.8q$