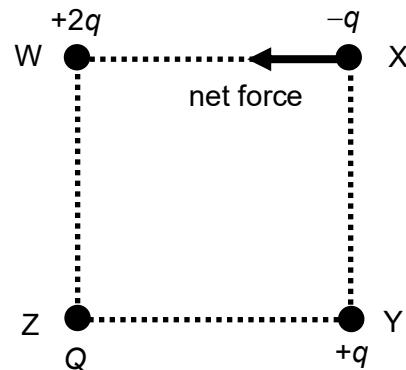


- 18** The figure below shows three charges  $+2q$ ,  $-q$  and  $+q$  placed at the corners W, X and Y of a square WXYZ respectively. A fourth charge Q is placed at Z, after which the charge at X experiences a net electric force indicated by the arrow.



What is the value of  $Q$ ?

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