

Checkpoint

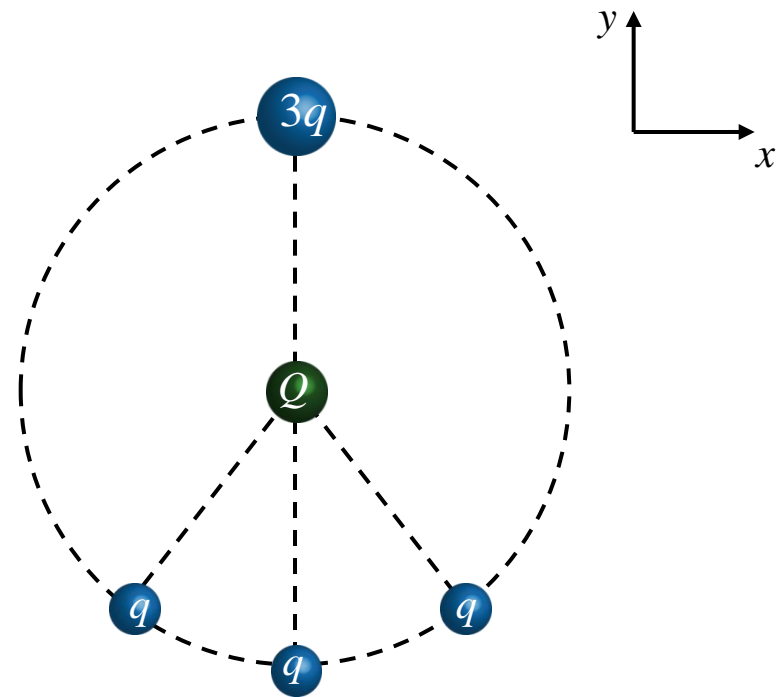
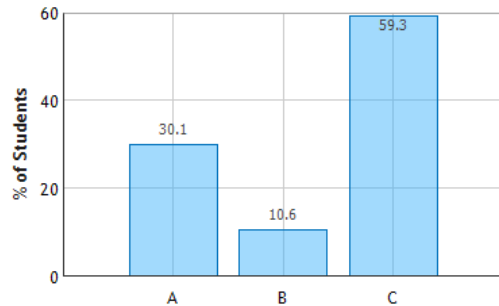


Four charged particles are placed on a circular ring with radius 3 m as shown below. A particle with charge Q is placed in the center of the ring

What is vertical force on Q ?

- A) $F_y > 0$ B) $F_y = 0$ C) $F_y < 0$

Force from Four Charges: Question 3 (N = 757)



“ F_y should also be zero because the top vertical force cancels out with the bottom vertical force.”

“Since they are all positive, the 3 q's on the bottom exerts a net force that the 3Q charge also exerts, canceling each other out.”

“2 of the qs in the -y direction dont contribute all of their magnitude to the y direction.”