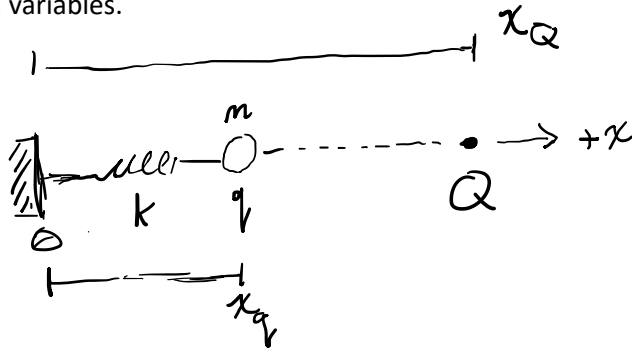


Electric Charges and Coulomb's Law

1. Charge Q is fixed in space at the position x_Q , and charge q is attached to a spring with a spring constant k , and an equilibrium length x_0 . Solve for the net force on charge q in terms of the given variables.



2. Four charges are positioned according to the diagram below. What is the initial acceleration of mass m ?

