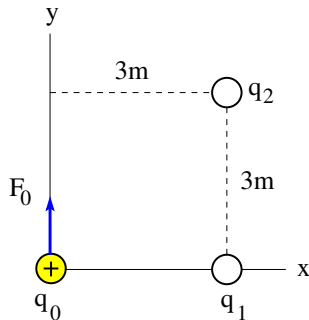


## Coulomb Force in Two Dimensions (2)



The unknown point charges  $q_1, q_2$  exert a force  $F_0 = 2\text{N}$  on the known point charge  $q_0 = 1\text{nC}$ . This force is directed in the positive  $y$ -direction as shown.

Determine first whether  $q_1, q_2$  are positive or negative. Then determine the values of the two point charges.



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