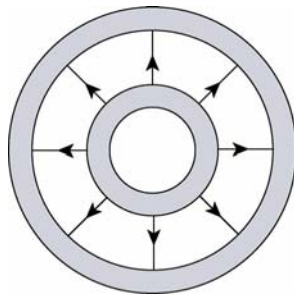


2. We note that the symbol  $q_2$  is used in the problem statement to mean the absolute value of the negative charge which resides on the larger shell. The following sketch is for  $q_1 = q_2$ .



The following two sketches are for the cases  $q_1 > q_2$  (left figure) and  $q_1 < q_2$  (right figure).

