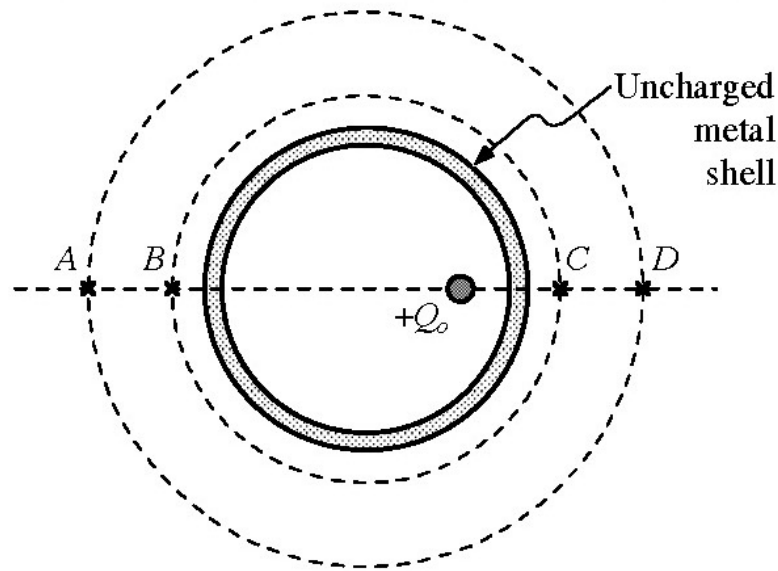


ET5-RT17: POINT CHARGE INSIDE A CONDUCTING SHELL—ELECTRIC FIELD

A point charge is enclosed by an uncharged metal (conducting) shell, but is offset from the center of the shell. Four points are labeled in the diagram below. Points *B* and *C* are the same distance from the center of the shell, and points *A* and *D* are the same distance from the center of the shell.



Rank the magnitude of the electric field at the labeled points.