(similar to test question)

Point charge D, -3.2×10^{-9} C, is 5.0 cm to the South of another point charge E, -4.5×10^{-9} C. What is the magnitude of the resultant force on point charge F, $+5.2 \times 10^{-9}$ C, which is 2.0 cm to the West of D? Sketch the situation as part of you solution.



