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