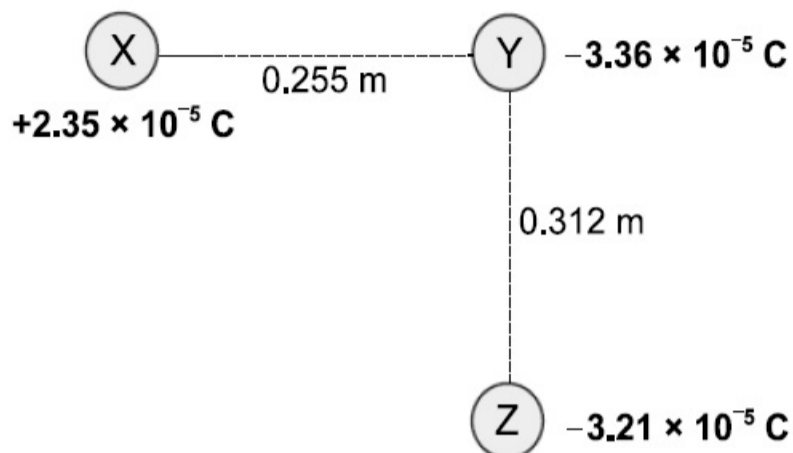


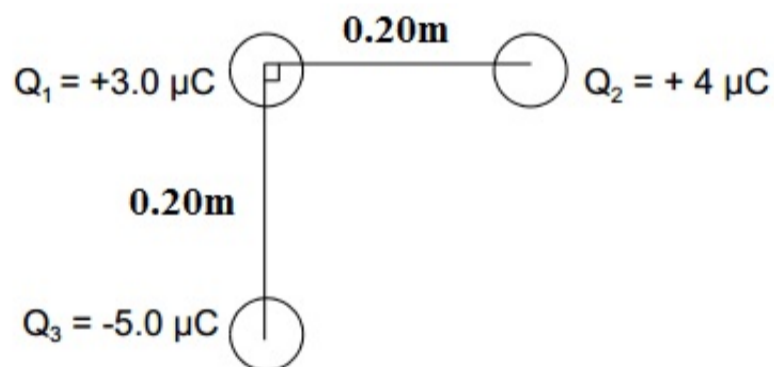
PHYSICS 3204
UNIT 2- SECTION 1: ELECTROSTATIC
Worksheet 4 -Coulomb's Law -Two Dimension



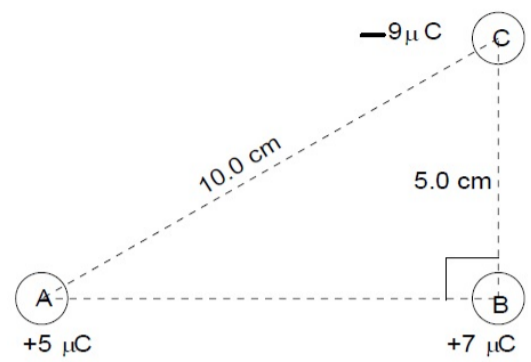
1. Three charged spheres are arranged as shown. Calculate the magnitude and direction of the net force on Y due to the presence of X and Z. **JUNE 2007**



2. What is the magnitude and direction of the net force on Q_1 in the diagram below?



3. Three charged objects are situated as shown in the diagram. Find the net force on B due to A and C. State the magnitude and direction.



4. Calculate the net force on the $-4.0 \mu\text{C}$ object in the diagram below

