Coulombs Law

**Problems**

**II**

1. If the force between two charged particles is 12.05 x10-20 N, the distance is .005 m and the charge on one of the particles is +22.5 Coulombs (c), what is the charge on the other particle?
2. **If a particle had a charge of +21.15 x 10 –28 c, another one had a charge of -22.0 x 10 –27 and a distance of 1500 m between them, what is the force between them?**
3. **If the force between two objects was – 15.5 N, one had a charge of 32.5 c, the other had a charge of –53.7 c, what is the distance between them?**

**\*\*A negative force indicates a force due to attraction (opposite charges) and a positive force indicates a force due to repulsion (same charges).**