

Quiz #8
Physics 221

Name: _____

1. A piece of metal receives a negative charge, does it gain mass, lose mass or stay the same mass? Why?

2. A charge of -5.2 nC is at -3.00 m on the x -axis. A second charge of 2.60 nC is placed at 3.00 m on the x -axis. What is the electric field on a 1.0 nC charge placed at the origin?

3. Draw the electric field lines on the first two charges above assuming the 1.0 nC charge is not anywhere near.