

Homework 12 for September 17 2008

Due 8AM on September 18 2008

Physics 221 with Professor Jeff Terry

1. A large square plate of copper with 50.0-cm sides has no net charge and is placed in a region of uniform electric field of 80.0 kN/C directed perpendicular to the plate. Find (a) the charge density of each face of the plate and
2. (b) the total charge on each face.