

**General Physics 110      Homework Set #3      Due in class Monday, February 25, 2008**

**Chapter 24** – Problem 57

**Chapter 25** – Problems 39\*, 44, 50\*, 51, 66\*

**Chapter 26** – Problems 22, 29\*, 46

**Additional Problem**

A \* Two conducting spheres of radii  $R = 6.0$  cm and  $r = 4.0$  cm are connected by a long thin conducting wire. They share a total charge of  $1.20 \mu\text{C}$ . Find the charge on each sphere and the electric potential at the surface of each sphere.

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