Physics 333 **Electromagnetic Theory I** **Fall 2022**

Homework Assignment #10

(due Sep 16, 2022, at the beginning of class)

For problems 10.1 - 10.3 use $V = -\int_{\mathcal{O}}^{\mathbf{r}} \mathbf{E} \cdot \mathrm{d}\mathbf{l}$

1. Griffiths 2.20

2. Griffiths 2.21
   Use solutions for **E** for uniformly charged solid sphere: for outside example 2.3 (page 72) and for inside solution to problem 2.12 (HW 9.2).

3. Griffiths 2.24
   Use solution to problem 2.16 (HW 9.4)