Homework 4
EE 381 Electric & Magnetic Fields (Fall 2025)
Friday, September 19, 2025

1) PE1.1 with $\overline{A} = -2\hat{a}_x + 4\hat{a}_z$

2) 1.2 Assume units of meters. First, find the position vectors $\overline{r}_A$, $\overline{r}_B$, & $\overline{r}_C$ and the distance vectors $\overline{r}_{AB}$, $\overline{r}_{BC}$, & $\overline{r}_{CA}$. Also, determine the angle associated with vertex B and the distance between points C and A.

3) 1.5

4) 1.7

5) 1.11cdf

6) 1.16

7) 1.28

8) 1.30

Due Friday, September 26, 2025
by 10 am at my office or EECS department mailbox.