

Homework 4
EE 381 Electric & Magnetic Fields (Fall 2026)
Friday, September 18, 2026

1) Given Cartesian points $H(3, -6, 9)$ and $I(-2, 4, -6)$, find: a) the position vectors to these points, b) the smallest angle between the position vectors, c) the distance vector from H to I , and d) the distance between the two points. Assume coordinates for the points are in centimeters.

2) 1.3

3) 1.5

4) 1.12

5) 1.16

6) 1.27

7) 1.28

8) 1.31

Due Wednesday, September 23, 2026.