Problem Set No. 6

Problem Number one  ) Propagation in Lossless Media
Problem 7.3 of text

Problem Number two  ) Polarization
Problem 7.9 of text

Problem Number three  ) EM Power Density
a) Problem 7.33 of text
b) What is the Poynting vector of the wave?

Problem Number four  ) Lossy Medium
Problem 8.16

Problem Number five  ) Angular incident waves
problem 8.26

Problem Number six  ) Dipole Antenna
a) Deduce the fields of Eq. (9.8)
b) Problem 9.2
c) Problem 9.21