

ECE 341 HW #8

1. Problem 3.36 in 6/E & 7E (i.e. 3.32 in 5/E).

Do (a) thru (d).

Notice that (c) and (d) are in cylindrical and spherical coordinate systems, respectively.

Answer to (a), (b), and (c) in the online answer sheet.

Answer to (d) in the CD.

2. Problem 3.56 in 6/E (i.e. 3.48 in 5/E).

Do (b) thru (d). You only need to answer whether a field is solenoidal.

A field is said to be solenoidal if its divergence is zero.

Notice that (c) and (d) are in cylindrical and spherical coordinate systems, respectively.

Answer in an Appendix at the end of the book.