

University of Colorado, Department of Physics
PHYS3320, Spring 2016, HW 7

due Fri, Mar 4 by 5:00pm, in the mailbox at the entrance to the physics helproom

1. Griffiths 8.4 [a, 6 pts; b, 6 pts]
2. Griffiths 8.6 [a, 6 pts; b, 8 pts]
3. Griffiths 8.9 [a, 6 pts; b, 8 pts]. In this problem, you should assume that the uniform magnetic field is produced by an infinitely long solenoid of radius $R > b$, whose axis passes through the center of the two spherical shells.