

Homework 7

Note Title

2/20/2008

- ① Problem 5.13 (page 231). Hint: use Ampere's law in its integral form. [3 points]
- ② Problem 5.33 (page 246). [3 points]
- ③ a) Uniformly charged disk of radius R (total charge Q) is rotating with angular velocity ω . Find the magnetic dipole moment [2 points]
b) Same for a homogeneously charged spinning ball [2 points]