King Abdulaziz University PHYSICS 202: BA	Faculty of Science Fall 2010-11	Department of Physics Quizzes#6&7
Name:		
1. A 2.5 eV proton rotates in a circle of radius 3.34 cm under the influence of a uniform magnetic field. Calculate the magnitude of the magnetic field.		
2. Two long straight wires, having e magnitude of the magnetic field a current.		
Constants: permeability constant $\mu_0=4\pi \times 10$	⁻⁷ T.m/A. proton's mass m ₂ =1.67×	10 ⁻²⁷ kg. electronic charge e=1.6×10 ⁻¹⁹ C