

THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

PHYSICS 439
PROBLEM SET 10
DUE DATE: 11/15/2011

1. A particle of mass m moves in a circular path of radius R with a constant angular velocity ω . Find the magnitude of the centripetal force acting on the particle.

2. A particle of mass m moves in a circular path of radius R with a constant angular velocity ω . Find the magnitude of the centripetal force acting on the particle.

3. A particle of mass m moves in a circular path of radius R with a constant angular velocity ω . Find the magnitude of the centripetal force acting on the particle.

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