

[Similar Matter Filed During Past Session —
See Senate No. 1726 of 1981]

SENATE No. 1424

Order (offered by Mr. Parker) relative to amending the joint rules of the House and Senate relative to the general appropriation bill (Senate, No. 1424). Rules (Joint).

The Commonwealth of Massachusetts

SENATE, January 6, 1982.

- 1 *Ordered*, That the joint rules of the Senate and the House
2 of Representatives be amended by inserting after Rule 10A
3 the following: —
4 10B. The general appropriations bill shall be submitted to
5 the Committee on Ways and Means of the House of Repre-
6 sentatives not later than February 1 of each year.
7 Said Committee shall conduct public hearings on said bill,
8 and shall report its recommendations to the floor of the House
9 of Representatives not later than April 15.
10 Said bill shall be reported to the floor of the Senate follow-
11 ing action by the House not later than May 15.

THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT

PHYSICS 351

PROBLEM SET 1

Due: 10/15/11

1. A particle of mass m moves in a circular path of radius r with constant speed v . The centripetal acceleration is $a_c = v^2/r$. The force exerted on the particle is $F = ma_c = mv^2/r$. The work done by this force over one full revolution is $W = \int \mathbf{F} \cdot d\mathbf{s} = 0$, since the force is perpendicular to the displacement.