Print name_____

ID number_____

Section in which you are registered (sec 1 = 9 AM lec, sec 2 = 10 AM lec)_

Physics 142E, Test No. 2, test session 2

March 26, 2003, 7:30-9:00 PM

On the bubble sheet, fill in your student id number, and in addition write

your name and your section in the appropriate spot. A

fill in the appropriate bubbles on your bubble sheet—note any pecial   iction. or

point in the problem itself. **No notes or books** are allowed during the exam, nor is any

consultation with anyone but me. You can only take this exam in one of the two sessions.

Write out an authorized form of the pledge here, and sign it.

_____

_____   ._____   _____

Signed_____

formulas you might need: $\dfrac{d}{dx}x^n = nx^{n-1}; \int x^n dx = \dfrac{x^{n+1}}{n+1}$

magnitude of accel in uniform circular motion v^2/R.

$I_{hollow\ cylinder} = MR^2$, $I_{solid\ cylinder} = \frac{1}{2}MR^2$, $I_{sphere} = 2/5\ MR^2$.