Mathematica Homework #2

Email notebook to corbin@physics.ucla.edu
with a subject line: [Physics 105B]
Due on or about Friday, 6 May

First - this project is really not as long as it looks. The rotational inertia problems *shouldn't* take much time at all. Protip - look at the virtual lab before you start. The coupled-oscillation problems will probably take you a little more time - again, I suggest looking at the virtual lab and supplemental notes once I post them.

- In the first cell, enter all the usual stuff: your **name**, **student ID**, **email address** and the **assignment identifier** (eg. "HW 2").
- 1) Verify the results of the following examples in **Marion**:
  - i) **Example 11.3**
  - ii) **Example 11.5**
  - iii) **Example 11.6**
- 2) **Marion 11.2**
- 3) **Marion 11.10**
- 4) **Marion 11.13**
- 5) **Marion 11.14**
- 6) **Marion 12-3**
- 7) **Marion 12-7**
- 8) **Marion 12-17** (Solve, instead, for 4 equal masses and 5 identical springs)