

**ASSIGNMENT 2**

**Reading:**

SCCM 2.1-2.5, 5.1-5.3

Taylor 3.3-3.5, 7.5-7.8, 7.10

1. Taylor Problem 3.30.
2. Work Taylor Problem 3.31, except take the axis of rotation to be a *diameter* of the disc rather than its symmetry axis. Your answer should have a simple relationship to the published answer for the unmodified problem.
3. Taylor Problem 3.37.
4. Taylor Problem 7.14.
5. Taylor Problem 7.20.
6. Taylor Problem 7.32.
7. Taylor Problem 7.34.