1. Chapter 10 (Fowlers & Cassiday), Problem no. 10.18 (a) and 10.20 (a). (Note: For both problems, use appropriate set of independent “generalized coordinates”. **Do not** bother to solve part (b). We will not introduce the “method of Lagrange multiplier” at this point).

2. Chapter 10 (Fowlers & Cassiday), Problem no. 10.28.

3. Chapter 10 (Fowlers & Cassiday), Problem no. 10.29 (a) and (c). (Note: **Do not** bother to solve part (b). We will not introduce the concept of “Hamilton’s equations of motion” at this point).