140a HW 4 Due 2/5/19

$\star$ All numbered exercises are from Blundell and Blundell.

1. 13.7. Also, please compute $\Delta S_{universe}$ as a function of T_f, and verify that it always has the correct sign.

2. 14.1.

3. 14.4.

4. 14.5.

5. 14.7. Omit the van der Walls part for this week, since it requires some things that we will discuss more later.

   questions 6 and 7 below will be due Thursday 2/7.

6. 14.8.

7. 14.9.