This week on the problem set we will see examples of triple integrals. Often the most difficult part of these problems will be the setup. Once we have an iterated integral, that calculation is "easy". We will also have questions on polar coordinates and integration in polar coordinates. The last few questions deal with coordinate change maps and Jacobians.

1. From 16.3 in the textbook: 3, 5, 6, 7, 9, 12, 13, 14, 15, 20, 23, 31.
2. From 12.3 in the textbook: 8, 11, 12, 15, 19, 20, 21, 30.
3. From 16.4 in the textbook: 1, 5, 10, 13, 21, 24.