Read Section 3-2 and the Appendix to Chapter 3 in do Carmo. Then do the following exercises:

3-2: 5, 8ab, 9, 15, 17.

Remarks: In problem 15, assume that $S_1$ and $S_2$ are oriented and intersect transversally (Exercise 17 of 2-4). If $p$ is a point of intersection, then the angle that the surfaces make at $p$ is defined to be the angle between their normal vectors.

In problem 17, “the angle of two intersecting curves on $S^2$” should be “the angle of two intersecting curves on $S$”.

This assignment is due Friday, April 8.