

Names and Student IDs: \_\_\_\_\_

## Homework 13 Calculus 1

1. Rudin Chapter 6 Exercise 2.
2. Rudin Chapter 6 Exercise 5.
3. Prove, straight from definition, that

$$\int_0^{\frac{\pi}{2}} \cos x dx = 1.$$

4. Salas 5.2: 5, 9, 11.