1. (10 points) Problem 6.1.

2. (10 points) Problem 6.4.

3. (10 points) Problem 6.9

4. (10 points) Use the code you developed in class to obtain a figure that looks similar to Figure 6.3. Demonstrate the wave propagation using **Manipulate**.

5. (5 points) Use the code you developed in class to reproduce Figure 6.7 (right).