(Due: 10/03/2012)

Please turn in separate .c files for this assignment. Do not merge them into one.

1. Reading Assignment: Chapter 6 - Arrays

2. Write a function that accepts two sides as arguments and returns the area of a rectangle. Call your function inside of main() and print the results. Remember to prototype your function. Where does your function definition go?

   Solve either Problem 3 or 4

3. Use the dice rolling homework program in Chapter 4 but change it so only one die is rolled and the user types in 1-6 to match the die roll. Add a function showFace() that accepts the die roll as an argument (an integer 1-6) and draws the face of the die using *s.
   ```
               *                    *   *
        *    or      *         or
                 *                    *    *
   ```

   For example:
   When the die is matched, draw the die that was rolled by calling your function. Remember to prototype your function and define it after the end of main. What return type will your function have?

4. Using your City Tour program from the previous homework, place the initial location and bus selection code into a function that takes the initial location and the bus as arguments and returns the destination. Call it inside your main function. Write another function that accepts the destination as an argument and prints your short description of the destination along with available transportation to and from it.
   Use your functions to print where the user will be after taking the chosen bus.