Worksheet #7 Name: _____
CS 1405
Instructor: Garth O. Sorenson Score: _____

1. What library must be included in a program to use the `rand` function?

2. What library must be included in a program to use the functions `sin`, `cos`, `log`, and `sqrt`?

3. Evaluate the following function calls:
   a. `fmod(17.0, 7.0)` _____
   b. `exp(-3.5)` _____
   c. `sqrt(169.0)` _____
   d. `log10(1000.0)` _____
   e. `pow(2.5, 3.0)` _____

4. Show how to generate a random number between 1 and 6 inclusive using the `rand` function.

5. Show how to generate a random number between 10 and 20 inclusive using the `rand` function.

6. What function must be used to initialize the `rand` function to start with a different number.