**Practice Problems for Functions**

1. Write a function named **times\_ten**. The function should accept an argument and return the product of its argument multiplied times 10.
2. What will the following program display?

**def main():**

**x = 1**

**y = 3.4**

**print(x, y, sep=':')**

**changeUs(x, y)**

**print(x, y, sep=':')**

**def changeUs(a, b):**

**a = 0**

**b = 0**

**print(a, b, sep=':')**

**main()**

1. Look at the following function definition:

**def my\_function(a, b, c):**

**d = (a + c) / b**

**print(d)**

a. Write a statement that calls this function and passes 2 into

a, 4 into b, and 6 into c.

b. What value will be displayed when the function call executes?

1. Is the following a legal Python program?

**def proc(x):**

**return x + 2**

**def main():**

**x = proc(5)**

**y = proc(4)**

**main()**

1. What is the output of the following program?

def proc(x):

print(x + 2)

def main():

x = proc(5)

print(x)

main()

1. Is the following a legal Python program?

**def proc(x):**

**return x + 2**

**def main():**

**x = proc(5, 3)**

**main()**

1. Write a function that will accept an integer as an argument. It should randomly pick a value between 1 and that integer (inclusive), and return its square root. If the integer is zero or negative, the function should terminate with an appropriate message.