(0) Which of the following is a function call?

(1) >>> type(4.5)
(2) >>> def add_one(x):
   return x + 1
(3) >>> add_one

a) (1) b) (1) and (2)
c) (1) and (3) d) none of the above

(1) When a user enters
   >>> x = 5
into the Python shell, what does Python return?

a) x d) all of the above
b) 5 e) none of the above
c) nothing

(2) If a user then enters
   >>> x
into the Python shell, what does Python return?

a) x d) all of the above
b) 5 e) none of the above
c) nothing

(3) What are the values of a, b, and c after the following code is entered into the Python shell?
   >>> a = 101
   >>> b = a
   >>> c = b // 10
   >>> a += 1

a) 101, 101, 10 d) all of the above
b) 102, 101, 10 e) none of the above
c) 1, 100, 10.0

(4) Which is correct?

(a)  
   >>> 4 // 3
   1.3

(b)  
   >>> 4 ^ 2
   16

c)  
   >>> 4 % 3
   4 ** 2
   1.0

d)  
   >>> 4 ** 2
   16

(e) None of the above
(5) What is the value of x returned after the following code is entered into the Python shell?
>>> x = 1  
b) 1
>>> x = x + 1  
c) 2
>>> x = x + 2  
d) 3
>>> x  
e) none of above

(6) What value is returned after the following code is entered into the Python shell?
>>> def square(num):
    return num * num
>>> square
a) <function square at 0x10274c560>
b) 9
c) none of the above

(7) What value is returned after the following code is entered into the Python shell?
>>> def square(num):
    return num * num
>>> square(3)
a) <function square at 0x10274c560>
b) 9
c) none of the above

(8) What value is returned after the following code is entered into the Python shell?
>>> def calculate(w, x):
    a = x
    b = w + 1
    return a + b + 3
>>> calculate(1, 5)
a) 1
b) 5
c) 10
(d) 13
e) all of the above

(9) What value is returned after the following code is entered into the Python shell?
>>> def calculate(w, x):
    a = x
    b = w + 1
    return a + b + 3
>>> calculate(2, 7)
a) 1
b) 5
c) 10
(d) 13
e) all of the above

(10) What value is returned after the following code is entered into the Python shell?
>>> def calculate(w, x):
    a = x
    b = w + 1
    return a + b + 3
>>> calculate(2, 7)
a) 1
b) 5
c) 10
(d) 13
e) all of the above
(11) What value is returned after the following code is entered into the Python shell?

```python
>>> def add_one(num):
    return num + 1
>>> x = 25
>>> x = x + add_one(x)
>>> x
```

(a) 25
(b) 26
(c) 27
(d) 0
(e) none of the above

Functions Concepts Checklist

- Python built-in functions
- combining functions
- user-defined functions
- keywords (def, return)
- parameters, arguments
- local variables
- defining v. calling
- memory model/namespace
- function design recipe
- functions return a value