1. Consider this code:

   a = [1, 0]

All of the following code fragments cause a to refer to [1, 0, 8].

Circle all of the code fragment(s) that create a new list.

(a) a.append(8)  (b) a = a + [8]
(c) a.insert(len(a), 8)  (d) a = [a[0], a[1], 8]

Circle all of the code fragment(s) that modify the original list.

(a) a.append(8)  (b) a = a + [8]
(c) a.insert(len(a), 8)  (d) a = [a[0], a[1], 8]

2. Consider this code:

   a = [1, 0, 8]
   b = a.sort()

After the code above is executed, which of the following expressions evaluate to True? Circle those expression(s).

(a) a == [1, 0, 8]  (b) a == [0, 1, 8]
(c) b == [1, 0, 8]  (d) b == [0, 1, 8]

3. Consider this code

   a = [0, 1, 2]
   b = a
   b[2] = 100

After the code above is executed, which of the following expressions evaluate to True? Circle those expression(s).

(a) a == [0, 1, 2] and b == [0, 1, 100]  (b) a == [0, 1, 2] and b == [0, 100, 2]
(c) a == [0, 1, 100] and b == [0, 1, 100]  (d) id(a) == id(b)

4. Which of the following code fragments does not print 'na' 12 times? Circle those expression(s).

(a) for i in range(12):
   print('na')
(b) for i in range(1, 24, 2):
   print('na')
(c) for i in range(1, 12):
   print('na')
(d) for i in range(6, 12):
   print('na')