2.10 Concerning the following program:

```
1.  nums = []
2.  while 1:
3.      input_value = input('Enter a number:')
4.      if input_value == 'done': break
5.      value = float(input_value)
6.      nums += [value]
7.      c = sum(nums) / len(nums)
8.      print('The value of c is ', c)
```

handwritten right margin:
[ ] + [ʊ]
[ʊ]
[ʊ] = [ʊ] + [ı]

Which of the following statements are correct?

A. The purpose of this program is to calculate the average of your inputted numbers. ✓

B. Line 4 is used to break the while loop. ✓

C. The list "nums" stores all your keyboard input numbers. ✓

D. Line 6 is used to add the inputted number to the summation. ✗

handwritten: 4, [2, 10], 999

2.7 Which of the following statement(s) is/are correct?

handwritten above line 1: | -3
-5 -4 -3 -2 -1
0 1 2 3 4

```
1.  lst1 = [1,2,3,4,5]
2.  print(len(lst1[1:-2]))   # 1   [1,-2]
3.  string = "my name is x"
4.  print(string[1])   # 2
5.  for i in string.split():
6.      print(i, end=", ")   # 3
```

handwritten right margin: [2,3]

handwritten line 6: ['my', 'name', 'is', 'x']

A. The output of the first print(): 2 ✗
B. The output of the second print(): name ✗
C. The output of the third print(): my, name, is, x, ✓
D. The output of the third print(): m, y, n, a, m, e, i, s, x, ✗

2.8 Which of the following codes in Python will NOT raise an error?

A. a,b = (1,2) *error* B. a,b = 1.2 *error* C. a,b = [1,2] *error* D. a = b = 1 ✓

2.9) Which of the following statement will output True?

A. >>> 'a' in ['a', 'p', 'p', 'l', "e"] ✓

B. >>> 'key1' in {'key1': 1, 'key2': 2}.items() ✗

C. >>> 'umbrella'.find('u') == ① ✗

D. >>> "umbrella"[2:-1] == 'brell' ✓
       0 1 2 3 4 5 6 7.
       -i
       -1

2.6) Concerning the following program, which of the following statement(s) is/are incorrect?

```
1.  def question(a, b, c):
2.      a = 4
3.      b[1] = a**a
4.      c *= a
5.      print(a, ',', b, ',', c)
6.  a = 3
7.  b = [2, 8]
8.  c = "9"
9.  question(a,b,c)
10. print(a, ',', b, ',', c)
```

4. , [2, 256] , - 9999.

1. A. The output of the print() in line 5 is

    4 , [2, 16] , 9999 ✗

B. The output of the print() in line 5 is

    4 , [2, 256] , 9999 ✓

C. The output of the print() in line 10 is

    ③ [2, 256] , 9   ✗   (3, [2,8], '9')

D. The output of the print() in line 10 is ✗

    4 , [2, 16] , 999

1.(8) What is the output of the following Python program?

```
1.  a = 2
2.  b = 5
3.  c = 9
4.  print(c//a+b*c%b**a)
```

Handwritten annotations: c//a = 9//2 = (4)   5 * 9 % 25   b** a = 5** 2 = 25   ...1·(20)

A. 4   B. 24   C. 84   D. 49

1.(0) What will be the output of the following Python code?

```
1.  def func(a, b=5, c=10):
2.      print('a is', a, 'and b is', b, 'and c is', c)
3.  func(3, 7)
4.  func(25, c=24)
5.  func(c=50, a=100)
```

Handwritten annotations: 3,7,10   25,5,24   100, 5, 50

A.,
a is 7 and b is 3 and c is 10
a is 25 and b is 5 and c is 24
a is 5 and b is 100 and c is 50

B.
a is 3 and b is 7 and c is 10
a is 25 and b is 5 and c is 24
a is 100 and b is 5 and c is 50

C:
a is 3 and b is 7 and c is 10
a is 5 and b is 25 and c is 24
a is 50 and b is 100 and c is 5

(D)
None of the mentioned