

# A 8 POINTS

Full Name \_\_\_\_\_

Section & Subsection \_\_\_\_\_

Roll # \_\_\_\_\_

1. (1/2 point) What is `len([[1, 2], 3])`?

- A. 2 B. 1 C. 3 D. 4

2. (1/2 point) What is the output of the following code?

```
x = [1] * 2
y = x * 2
print(x, y)
```

- A. [1, 1] [1, 1, 1, 1] B. [1, 1, 1, 1] [1, 1]  
C. [1, 1] [1, 1] D. [1, 1, 1, 1] [1, 1, 1, 1]

3. (1/2 point) What is `"1234">"23"`?

- A. "23" B. True C. False D. Error

4. (1/2 point) What is `"0"[1]`?

- A. "1" B. "" C. Error D. "0"

5. (1/2 point) What is the result of the following code?

```
def infinity(x):
    return x/0
```

- A. inf B. Nothing C. Error D. 0

6. (1/2 point) What is the result of the expression `"Hello, World!"[1:4]`?

- A. "ello" B. "Hell" C. "e11" D. "Hel"

7. (2 points) The variables `hh` and `mm` contains time (hours and minutes respectively) in 24-hour format. The following code was written to convert it into 12-hour format with `s` being either "am" or "pm". List errors in the code and fix it.

```
if hh >= 12:
    hh = hh - 12
if hh >= 12:
    s = "pm"
# Note the variable mm is unmodified.
```

8. (2 points) The following is not equivalent to `s = " ".join(xs)`? Why? Write the correct version using `for`.

```
s = ""
for x in xs:
    s = s + " " + x
```

9. (1/2 point) What is the result of `" ".join(["Hello", "World"])`?

- A. "HelloWorld" B. "Hello, World"  
C. "Hello World " D. "Hello World"

10. (1/2 point) What is `len(2345)`?

- A. 0 B. 4 C. 2345 D. Error