For Loops Questions

Names: _____

1. What will print?

```
for i in range(10):
        print(i, end = " ")
print()
```

2. What will print?

```
items = [1,2,7,6,0,9,3,4]
for i in items:
        print(i)
```

3. Describe what the code does.

```
rows = int(input())
cols = int(input())

for i in range(rows):
        for j in range(cols):
                print("*", end="")
        print()
```

4. The following piece of code is intended to print the numbers from 1 to 10 inclusive. Will the code print the expected values. Why?

```
for i in range(10):
        i += 1
        print(i)
```

5. Write a block of code that gets a number of rows and number of columns from a user and then outputs the row as a number and column as a capital letter. For instance, the example below is for three rows and 5 columns

Example:

```
1A   1B   1C   1D   1E
2A   2B   2C   2D   2E
3A   3B   3C   3D   3E
```

6. Write a block of code that gets a number of rows from a user and then outputs a number of stars similar to the below pattern. For instance, the three examples below are for inputs of 3, 2, and 4 respectively.

Example: 3
```
*
**
***
```

Example: 2
```
*
**
```

Example: 4
```
*
**
***
****
```

7. (bonus) Write code that will create a checkerboard of '#' and '.' tiles
You should take in the width of the board (in tiles), the height of the board (in tiles), and the size of each tile (in characters).

Example: w=3, h=4, tile_size = 1
```
#.#
.#.
#.#
.#.
```

Example: w=5, h=2, tile_size=2
```
##..##..##
##..##..##
..##..##..
..##..##..
```