Nested Lists

Name:				

1. Consider the following nested list:

a. To make things easier, please rewrite matrix with each sub-list on its own line (but leave the brackets!)

b. What is the value of matrix[1]?

c. What is the value of matrix[-1]?

d. What is the value of matrix[0][3]?

e. What is the value of matrix[-1][-2]?

f. Write a piece of code that will access the letter 'h'

g. Write a piece of code to change the 'c' to an 'x'

h. What is the result of matrix[1:]?

i. What is the result of matrix[0][1:2]?

j. What is the value of len(matrix)? What is the value of len(matrix[0])?

2	Consider	the	following	list	of li	ete:
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- a. What is the value of len(hit_map)?
- b. What is the output of this code snippet?

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for x in hit_map:
    print(len(x), end = ' ')
print()
```

c. Write some code to print the number of Xs in each sublist.

d. Write some code to print the number of Xs in the whole hit_map.

e. Using indexing to list $\underline{\tt all}$ locations of 'X' in hit_map.