Name: _____ Date: _____

Lesson 3: Lists Worksheet

Complete the following problems. (25 minutes)

Problem 1:

```
#You are given the following list:
fruits=["orange", "pineapple", "banana", "mango"]

#How would you add one element to this list?

_____

#I don't like pineapples. Can you remove it from the list?

_____

#Can you make a new list called my_fruits with 2 elements from fruits?

_____

#Make a new list of your favorite vegetables. How would I make a new
#list that has your favorite fruits and vegetables in one list?

_____
```

Problem 2:

```
# You are given the following list:
list2 = ["a", "b", "c"]

# What do these lines do?

print list2[0] #_____

print list2[2] #_____

print list2[3] #_____

print len(list2) #_____

print list2[-1] #_____
```

```
print list2[0:2] #____________________
```

Problem 3:

```
r = "rhinoceros"

#What is the output of this line?

print r[3:5] + r[-1] + r[-4] #_________
```

Problem 4:

```
nested = [[1], ["a", "b"], []]

print len(nested) #____________________

print len(nested[0])#_____________________

print len(nested[1]) #_____________________

print len(nested[2]) #_____________________
```

Problem 5:

```
def func1(x):
      return x[1:]

def func2(x):
      return x.append(0)

def main():
      y = [65, 12, 5, 3, 1, 17]
      print func1(func2(func1(func1(y))))

main()
```

What does the following code snippet produce?

_____