Quiz 1

Name:

Grade:

Region:

Please answer the questions according to the following example.

Example

What will be the output of the code below?

```
In [ ]:  def addOne(x):
             return x + 1

         print addOne(2)
```

Answer

3

Problem 1

What will be the value of x?

```
In [ ]:  x = 2*4+3*8
```

Problem 2

What will be the value of x?

```
In [ ]:  x = 2**5+7*3
```

Problem 3

What will be the output of the code below?

```
In [ ]: x = 0
        if True:
            x = 1
        else:
            x = 2
        print x
```

Problem 4

What will be the output of the code below?

```
In [ ]: for x in [1, 2, 3]:
            print x
```

Problem 5

What will be the output of the code below?

```
In [ ]: n = 5
        while n != 0:
            print n
            n -= 1
```

Problem 6

What will be the output of the code below?

```
In [ ]: n = 5
        while n != 0:
            n -= 1
            print n
```

Problem 7

What will be the output of the code below?

```
In [ ]: def mystery(x):
            return x*5
        print mystery(10)
```

Problem 8

What will be the output of the code below?

```
In [ ]: def mystery(x):
            return k*5
        print mystery(10)
```

Problem 9

What will be the output of the code below?

```
In [ ]: n = 5
        while n > 0:
            n -= 1
        print n
```

Problem 10

What is the value of y

```
In [ ]: def tripleIt(x):
            print x + x + x
        y = tripleIt('123')
```

A. '123'

B. '123123123'

C. 369

D. None of the above

Problem 11

What will be the output of the code below?

```
In [ ]:  # Problem 11
         for n in [1, 2, 3, 4, 5, 6, 7]:
             if n % 3 == 0:
                 print 'a'
             elif n % 4 == 0:
                 print 'b'
             else:
                 print 'c'
```

Problem 12

What will be the output of the code below?

```
In [ ]:  def doubleIt(x):
             return x + x
         print Doubleit('123')
```

Problem 13

What will be the output of the code below?

```
In [ ]:  def doubleIt(x):
             return x + x + x + x
         print doubleIt('123')
```

Problem 14

What will be the output of the code below?

```
In [ ]:  x = [1, 2, 3, 4]
         print x[1:3]
```

Problem 15

What will be the output of the code below?

```
In [ ]:  x = [1, 2, 3, 4, 5, 6]
         result = 0
         for i in [0, 1, 2]:
             result += x[i]
         print result
```

Problem 16

What will be the output of the code below?

```
In [ ]:  x = [7, 6, 5, 4, 3, 2, 1]
         for i in x[0:len(x)/2]:
             print i
```

Problem 17

What will be the output of the code below?

```
In [ ]:  def mystery(x):
             return x + 2
             print x
         print mystery(5)
```

Problem 18

Circle the following which are of type boolean:

A. 1

B. '1'

C. 'hello'

D. x

E. True

F. true

G. False

H. false

I. 'False'

Problem 19

What will be the output of the code below?

```
In [ ]:  x = 54321
         print x[3]
```

Problem 20

What will be the output of| the code below?

```
In [ ]:  x = 'this is a string'
         print len(x)
```

Problem 21

What will be the output of the code below?

```
In [ ]:  for i in range(2,12):
             print i
             if i % 3 == 0:
                 break
```

Problem 22

What will be the output of the code below?

```
In [ ]:  for i in range(2,12):
             print i
             if i % 3 == 0:
                 continue
```

Problem 23

What will be the output of the code below?

```
In [ ]:  for i in range(2,12):
             if i % 3 == 0:
                 continue
             print i
```