## TEST 3

Tour Name (please I IIIII).	
===============INSTRUCTIONS	============

• Fill in the above items.

Vous Name (please DRINT).

- There is a total of 5 problems, for a maximum possible total value of 60 points. Make sure you have all 6 test pages (this cover page + 5 test pages). You are responsible to check that your test booklet has all 6 pages. Alert a proctor if your copy is missing any pages.
- Show all your work. Only minimal credit will be given for answers without supporting work.
- Write your answer in the box at the bottom of pages 2-6.
- Use the back of test pages if additional space is needed, and for scratch paper.
- You may use scientific or standard calculators. No graphing calculators are allowed.

Do not write below this line

Pb. #	Max Points	Your Score
1	6	
2	14	
3	10	
4	10	
5	10	
6	10	
Total	(60)	

1. Consider the following Python code:

(a) Describe what each line of this code does.

(b) If you input a value of 6, what will the program calculate?

	2.	(a)	Write	a Python	line	which	establishes	a	variable
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my\_var

The value of the variable should be my response to the question "How many miles do you walk per day?"

(b) Now write a Python code which says "You're healthy' if my response was 4 or more miles, says "Not bad" if my response was 2-4 miles, and "You need to walk more!" if you responded less than 2 miles.

3. Run a written simulation of the following Python code.

```
my_list = list()
s = 0
while s < 4:
x=input('Who is the number best singer on Earth'))
    my_list.append(x)
    s = s + 1
print('Your favorite singers are:' my_list)</pre>
```

4. Draw an example (indicating size differences and colors) of the following webpage:

```
<!DOCTYPE HTML>
<html>
<head>
<title> Awesome Webpage!</title>
<style>
h1{color : red; background-color: blue}
body{background-color:green>}
h2{color : black; background-color : yellow}
</head>
   <body>
       <h1 style="text-align:center">Web Page</h1>
      This is a paragraph.
      This is another paragraph.
      <hr/>
       <l
          Car
          Boat
          Fish
      Cat
          Dog
          Train
      <a href="http://www.uwsuper.edu">University of Wisconsin-Superior</a>
    </body>
</html>
```

 ${f 5.}$  The following python code should print out the sum of the cubes of numbers. It does not work. Find the error and fix it:

```
x = int(input('How many cubes do you want to add?'))
s = 1
z=0
while s <= x:
    z = z+y*y*y
print (z)</pre>
```