MTH 337, SAMPLE QUIZ #4

Fall 2021 Name: _____

Professor: S. Cassani (Also print name on back upper right corner of quiz.)

You have 10 minutes to complete the quiz. Max score: 10

	Python Code	Result	

1	`for k in range(10):`
	`if (k%2==0) and (k%3==0):`
	`print(k)`		

1	`mylist=[[1,2,3,4],[5,6,7,8]]`
	`print(mylist[1][2])`
	`print(mylist[0][::2])`		

2	`mylist=['a','b','c','d','e','f','g','h']` `print(mylist[2:5])`		

3	`def myfun(a=1,b=2,c=5):`
	`return a*b*c`
	
	`print(myfun(2,c=3))`		

4	`mylist=[x**2 for x in range(1,12)]` `print(mylist[2::3])`		

5	`mylist=[0,1,2,3,4]`
	`i=3`
	
	`while len(mylist)>2:`
	`mylist[i]=mylist[i]*2`
	`mylist.pop(i-1)`
	`i-=1`
	
	`print(mylist)`		

6		Define a function that can be called with one or two arguments. If called with two arguments it returns the difference of the first minus the second one. If called with one argument it returns the argument itself.	
7		Assume for the remainder of the quiz that the following command has been run `import matplotlib.pyplot as plt` Write the code necessary to plot the points $(1,2)$, $(2,3)$, $(3,4)$ as magenta squares, and $(5,11)$, $(3,3)$ as green triangles.	
8		Add a title and labels on the x and y-axis	
		Total Points:	