MTH 337, SAMPLE QUIZ #4

Spring 2020

Professor: S. Cassani

You have 10 minutes to complete the quiz.

Name: _____

(Also print name on back upper right corner of quiz.)

Max score: 10

	Python Code	**Result**	
1	```mylist1=[x for x in range(1,12)]``` ```print(mylist1[2::3])```		
2	```mylist2=[x**2 for x in mylist1 if x<7]``` ```print(mylist2)```		
3		Suppose the list `plist` contains the first 500 prime numbers. Using list comprehension produce the list sqlist of the logarithm of the prime numbers in `plist` smaller than 300 that are even	
4		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.	
5		Add the label 'x values' on the x axis and the label 'y values' to the right axis of the plot produced in question 4	
6		Set the axis of the plot to have the same scale.	
7		Set the range of y values displayed to $-1 \leq y \leq 12$	
		Total Points:	