

MTH 337, SAMPLE QUIZ #6

Fall 2021

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	<pre>myarray=np.array([1,2,3,4,5,6]) print(myarray[3]) myarray[2:4]=0 print(myarray[:4])</pre>		
2	<pre>myarray=np.arange(4).reshape(2,2) print(myarray)</pre>		
3		Create an array of all the integers from 0 to 99 and change its shape into a 25×4 two-dimensional array	
4		Given <code>a=np.ones(10)</code> , change the last 3 entries of the array to 4	
5		Given <code>a=np.ones(10)</code> , change the last 3 entries of the array to [2,5,8]	
6		<p>Assume for the remainder of the quiz that the following command has been run</p> <pre>import matplotlib.pyplot as plt import numpy as np</pre> <p>create the plot of the function</p> $y = \sin(\pi^2 x^3) \quad -\pi \leq x \leq 2\pi$ <p>Use 100 points</p>	
Total Points:			