

MTH 337 - QUIZ #6

Spring 2020

Professor: S. Cassani

Mar. 30 2020

Name: _____

(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		<p>For the remainder of this quiz assume that the following code has been executed:</p> <pre>import matplotlib.pyplot as plt import numpy as np</pre> <p>Write the code that creates a numpy array <code>pippo</code> containing all the integers from 1 to 30</p>	2
2		Write the code to reshape <code>pippo</code> to shape 3×10	2
3		Use boolean indices to print to screen an array containing all the even elements in <code>pippo</code> that are greater than 15	2
4		<pre>col_ar=np.random.rand(5,5,3)</pre> <p>and <code>col_ar</code> is a multidimensional array representing the RGB colors of a 4×4 image. Write a statement that will make the image have only red scale colors (no green and blue components)</p>	2
5		<p>Given</p> <pre>col_b=np.zeros(4,4,3)</pre> <p>Write code that creates a 2×2 green square in the bottom right corner of the image and displays the image</p>	2
Total Points:			