

MTH 337 Quiz 8 Sample: Colors and Images

Name:

	Python Code	Result
1)	<pre>import numpy as np import matplotlib.pyplot as plt a = np.ones((100,100,3)) a[:, :, 0] = 0 a[:, :, 1] = 0 plt.imshow(a)</pre> <p>WRITE THE COLOR OF THE SQUARE.</p>	
2)	<pre>plt.plot(1, 1, 'ko', ms=20)</pre> <p>WRITE THE COLOR OF THE CIRCLE.</p>	
3)	<pre>plt.text(1,1,"Roses",color=(1., 0., 0.))</pre> <p>WRITE THE COLOR OF "Roses".</p>	
4)		Which Matplotlib function reads an image file into a NumPy array? You just need to write the name of the function.
5)		Which RGB triplet specifies the color white? Write your answer in the form (r, g, b) where r, g and b are floating point numbers.
6)		Write code to create and display a pure green rectangle of height 3 and width 4 using imshow .

Total Points: