

MTH 337 Quiz 11 Sample: Random Number Generation

Name:

	Python Code	Result
1)		<p>Assume that the following lines of code have been executed:</p> <pre>import numpy as np from numpy.random import *</pre> <p>Write code to generate an array of six random numbers sampled from a uniform distribution over the interval $[0, 3]$.</p>
2)		<p>Write code to generate an array of ten random numbers sampled from a Gaussian distribution of mean 1 and standard deviation 0.5.</p>
3)		<p>Write code to generate a 2D array with 2 rows and 3 columns of random numbers sampled from a standard normal distribution.</p>
4)		<p>Write code to generate an array of twenty random integers between 0 and 6 (inclusive).</p>
5)		<p>Write code to randomly select a single letter from the string "aeiou".</p>
6)		<p>Write a function "heads_or_tails" that returns True with probability 50% and False with probability 50%.</p>

Total Points: