Quiz 6

Started: Mar 28 at 1:13am

Quiz Instructions

Question 1 — 1 pts

```
import numpy as np
import matplotlib.pyplot as plt

x = np.linspace(0, 10, 1000)
plt.plot(x, np.sin(x) + x)

With the above code, the result is:
```

- A plot with 2000 elements as "np.sin(x)" and "x" is concatenated
- An error as "np.sin" only works for a single value
- A plot with 1000 elements

Question 2 — 1 pts

With the following code, the result is:

```
from scipy.optimize import fmin
import numpy as np

def f(x):
    return (x[0]-3)**2 + 3*x[0] - 2*x[1] + x[1]**2

fmin(f, np.random.rand(2))
```

- approximately array([1.24996107])
- approximately array([1.50000971, 0.99996545])
- Two random values between 0 and 1

- The minimum of two random numbers and the value of the function

Question 3

1 pts

What does np.arange(5) do?

- It create a list of length 5
- It creates a Numpy array with values 0 to 4.
- It creates a Numpy array with values 1 to 5.

Quiz saved at 10:13pm

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