Quiz 5

Started: Mar 26 at 9:56pm

Quiz Instructions

Question 1	**1 pts**

```
import numpy as np

A = np.matrix([[1, 2], [3, 4]])
B = np.mat([[5, 6], [5, 6]])

With the above code, B is:
```

○ A numpy matrix

○ A numpy array

○ An ordinary list (of lists) Python object: <type 'list'>

Question 2	**1 pts**

```
With the same code as Question 1, what's the result of:

A * B
```

○ array([[5, 12], [15, 24]])

○ matrix([[15, 18], [35, 42]])

○ Concatenation of the two lists

○ TypeError: can't multiply sequence by non-int of type 'list'

Question 3	**1 pts**

With the following code:

```
import numpy as np
import numpy.linalg

A = np.mat([[2, 1], [1, 2]])
B = numpy.linalg.inv(A)
A * B

The result is:
```

○ matrix([[-5, -4], [-4, -5]])

○ matrix([[5, 4], [4, 5]])

○ matrix([[0, 1], [1, 0]])

○ matrix([[1., 0.], [0., 1.]])

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