Quiz

Two Dimensional Numpy

1. What is the value of Z after the following code is run:

1 point

```
1  X=np.array([[1,0],[0,1]])
2  Y=np.array([[0,1],[1,0]])
3  Z=X+Y
```

- ● array([[1, 1],[1, 1]])
- ○ array([[1, 0],[0, 1]])
- ○ array([[0, 1],[1, 1]])

2. what values does the variable **out** take if the following lines of code are run:

1 point

```
1  X=np.array([[1,0,1],[2,2,2]])
2  out=X[0:2,2]
3  out
```

- ○ array([1, 0])
- ● array([1, 2])
- ○ array([1, 1])

3. What is the value of **Z** after the following code is run:

1 point

```
1  X=np.array([[1,0],[0,1]])
2  Y=np.array([[2,1],[1,2]])
3  Z=np.dot(X,Y)
```

- ● array([[2, 1],[1, 2]])
- ○ array([[2, 0],[1, 0]])
- ○ array([[3, 1],[1, 3]])