Two Dimensional Numpy

TOTAL POINTS 3

1. how do you perform matrix multiplication on the numpy arrays **A** and **B** 1 point

- ○ A*B
- ○ A+B
- ◉ np.dot(A,B)

2. what values does the variable **out** take if the following lines of code are run: 1 point

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

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

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

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

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