Consider the following code:

```
import random, pylab
xVals = []
yVals = []
wVals = []
for i in range(1000):
    xVals.append(random.random())
    yVals.append(random.random())
    wVals.append(random.random())
xVals = pylab.array(xVals)
yVals = pylab.array(yVals)
wVals = pylab.array(wVals)
xVals = xVals + xVals
zVals = xVals + yVals
tVals = xVals + yVals + wVals
```

For each of the following questions, select the best answer from the set of choices.

## PROBLEM 3-1 (1/1 point)

The values in xVals are:

- (•) Uniformly distributed ✔
- ( ) Distributed with a Gaussian distribution
- ( ) Exponentially distributed

*You have used 1 of 1 submissions*

## PROBLEM 3-2 (1/1 point)

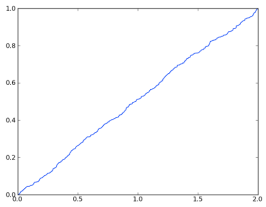
The values in tVals are:

- ( ) Uniformly distributed
- (•) Distributed with a Gaussian distribution ✔
- ( ) Exponentially distributed

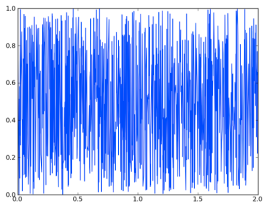
*You have used 1 of 1 submissions*

For each of the following expressions using the code above, match the following calls to `pylab.plot` with one of the graphs shown below.

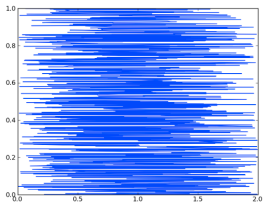
You can click on the following images to view a larger size.



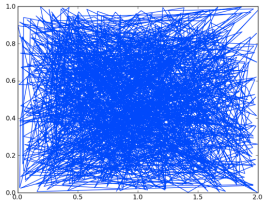
**Graph 1**



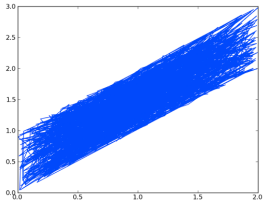
**Graph 2**



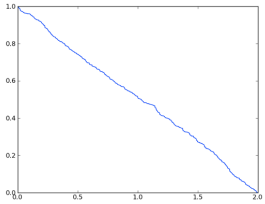
**Graph 3**



**Graph 4**



**Graph 5**



**Graph 6**

## PROBLEM 3-3 (2/2 points)

`pylab.plot(xVals, yVals)`

Graph 4 ▾

Final Check | Save | *You have used 1 of 2 submissions*

## PROBLEM 3-4 (2/2 points)

`pylab.plot(xVals, zVals)`

Graph 5 ▾

Final Check | Save | *You have used 1 of 2 submissions*

## PROBLEM 3-5 (2/2 points)

`pylab.plot(sorted(xVals), yVals)`

Graph 2 ▾

Final Check | Save | *You have used 1 of 2 submissions*

## PROBLEM 3-6 (2/2 points)

`pylab.plot(xVals, sorted(yVals))`

Graph 3 ▾

Final Check | Save | *You have used 1 of 2 submissions*

## PROBLEM 3-7 (2/2 points)

`pylab.plot(sorted(xVals), sorted(yVals))`

Graph 1 ▾

Final Check | Save | *You have used 1 of 2 submissions*



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