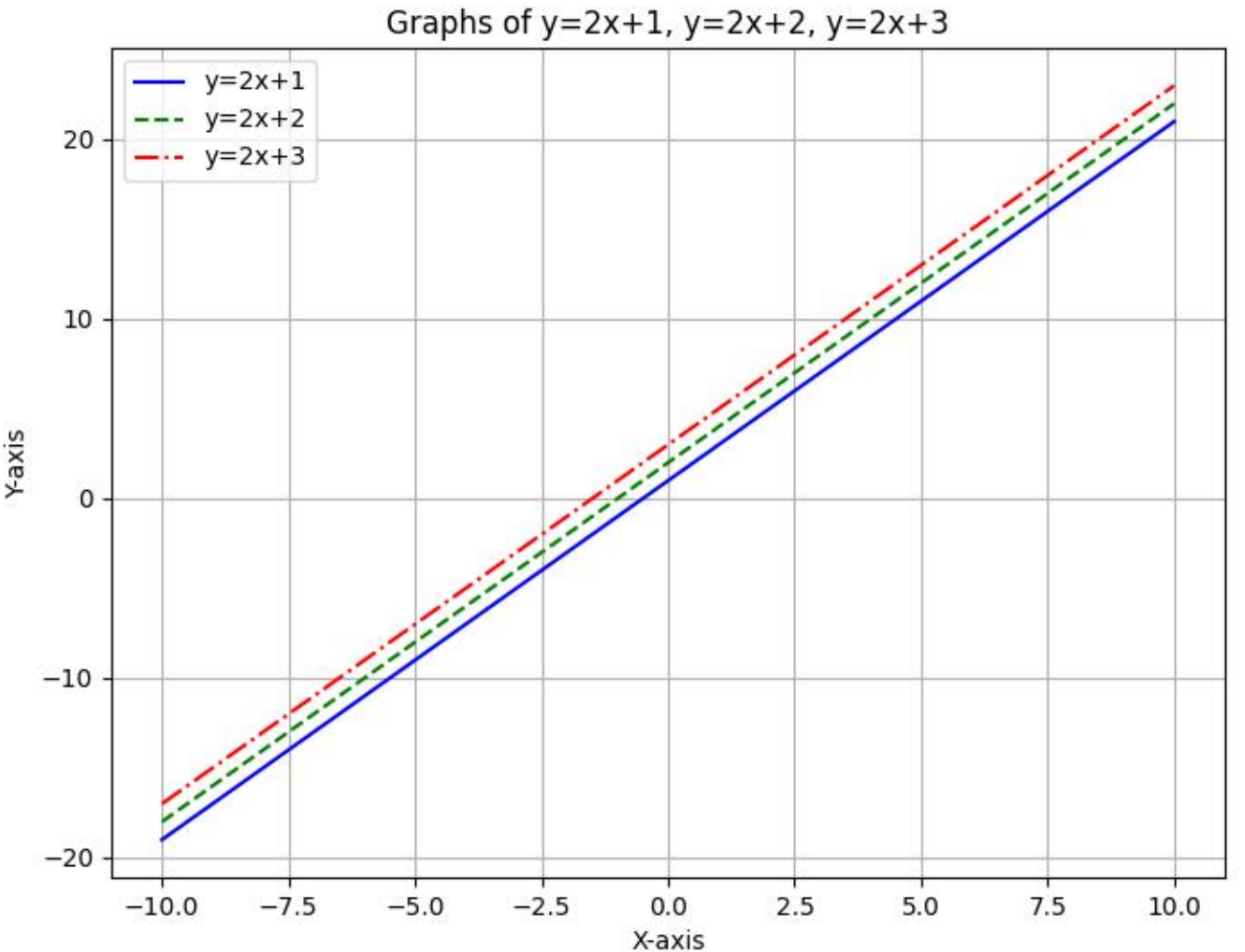
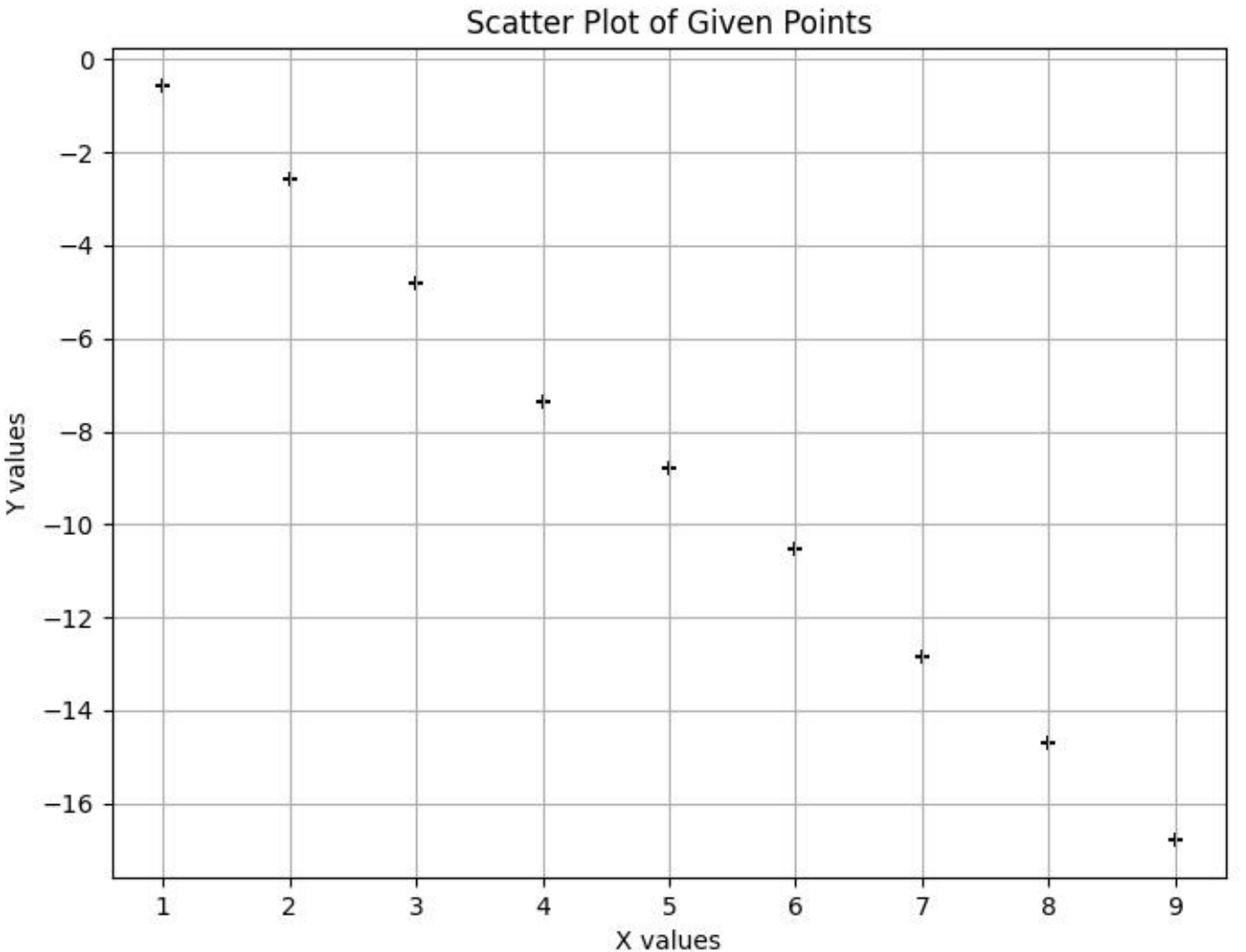
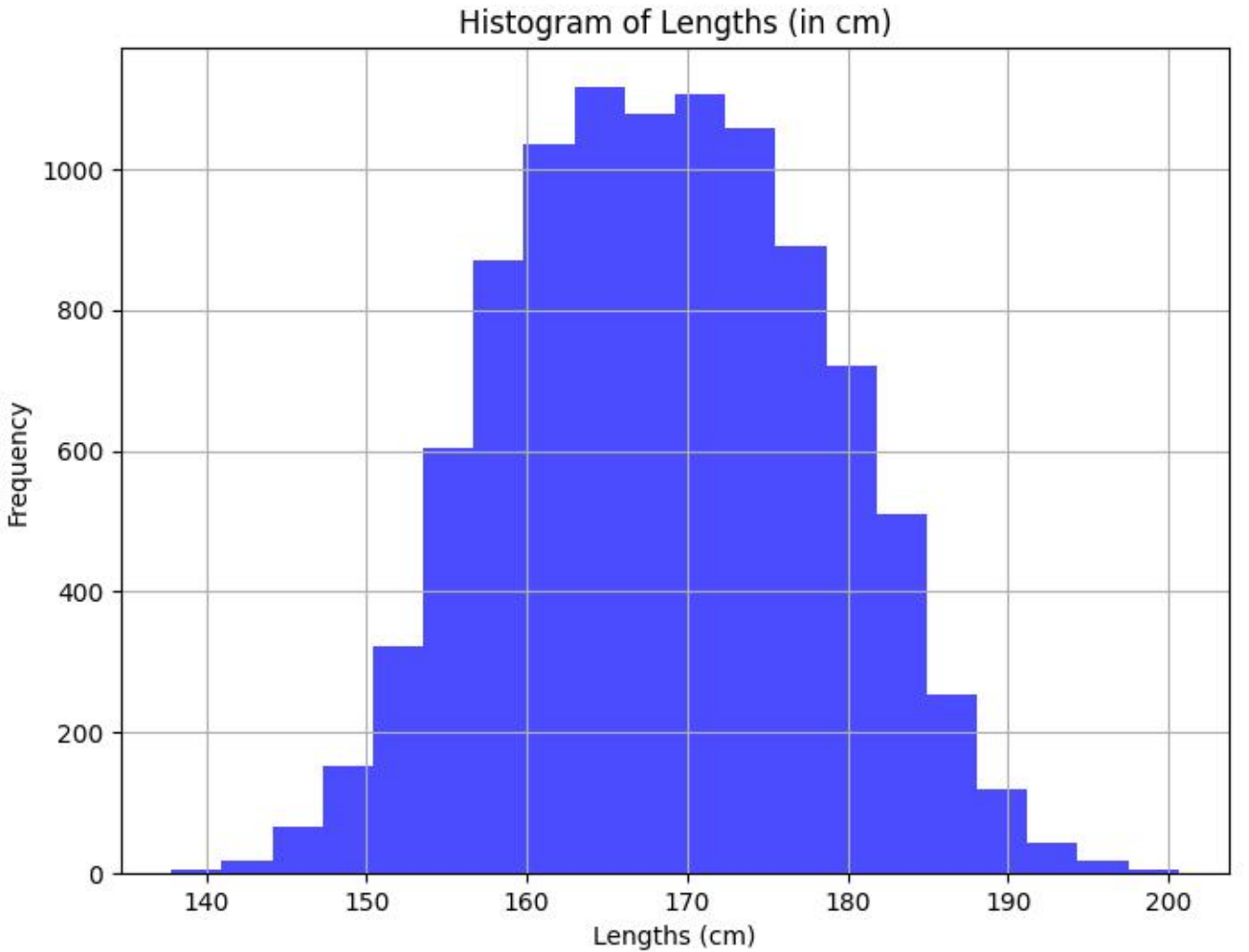

Graphs of y=2x+1, y=2x+2, y=2x+3
y=2x+1
y=2x+2
y=2x+3
20
10
0
−10
−20
Y-axis
−10.0
−7.5
−5.0
−2.5
0.0
2.5
5.0
7.5
10.0
X-axis


Scatter Plot of Given Points
0
−2
−4
−6
−8
−10
−12
−14
−16
Y values
1
2
3
4
5
6
7
8
9
X values


Histogram of Lengths (in cm)
Frequency
0
200
400
600
800
1000
140
150
160
170
180
190
200
Lengths (cm)

```
Mean Length: 168.57360177724598
Mean Weight: 73.22805433651739
Matrix:
[[1 2 3]
 [0 1 4]
 [5 6 0]]


Inverse Matrix:
[[-24.  18.   5.]
 [ 20. -15.  -4.]
 [ -5.   4.   1.]]


Identity Matrix:
[[ 1.00000000e+00 -2.66453526e-15  0.00000000e+00]
 [ 0.00000000e+00  1.00000000e+00  0.00000000e+00]
 [ 0.00000000e+00 -7.10542736e-15  1.00000000e+00]]


Identity Matrix:
[[ 1.0000000e+00  0.0000000e+00  0.0000000e+00]
 [ 0.0000000e+00  1.0000000e+00  0.0000000e+00]
 [ 0.0000000e+00 -8.8817842e-16  1.0000000e+00]]

Process finished with exit code 0
```