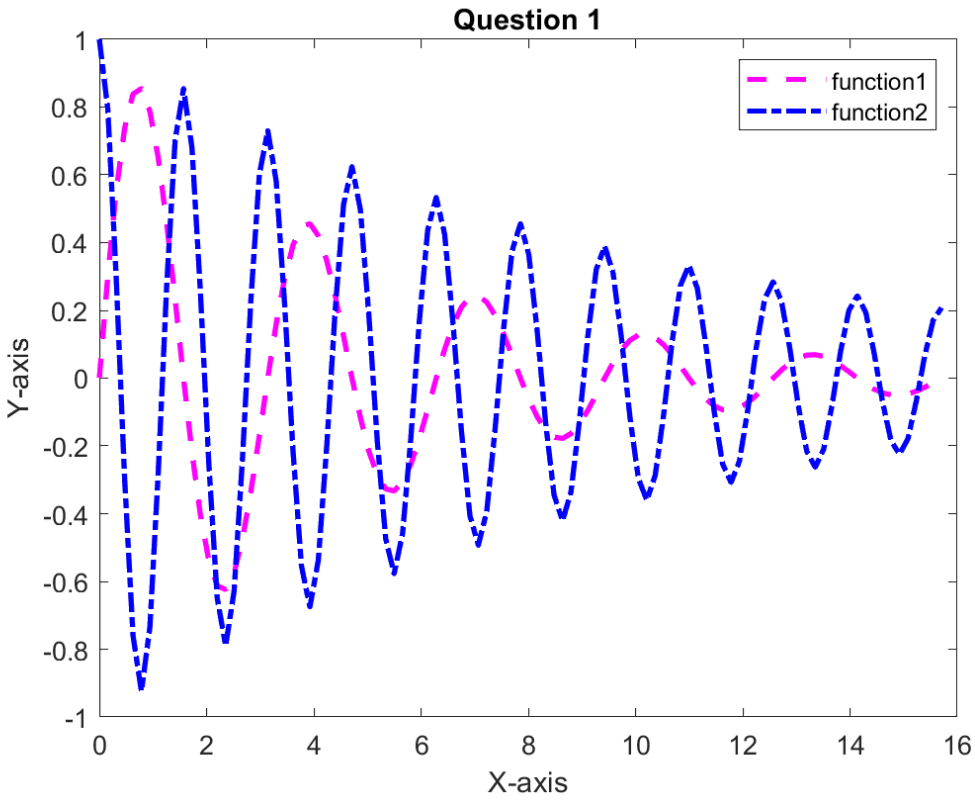
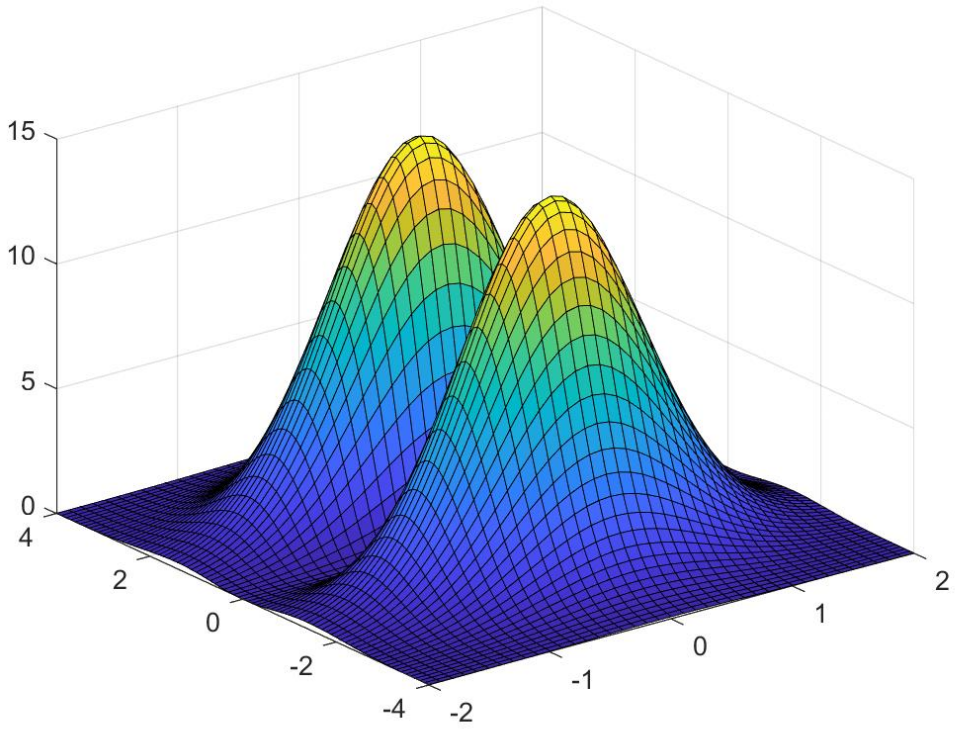
1.


Question 1
function1
function2
Y-axis
X-axis
1
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1
0
2
4
6
8
10
12
14
16

2.


15
10
5
0
4
2
0
-2
-4
-2
-1
0
1
2

3.

```
y =
  Columns 1 through 10
   59.9870   57.4173   54.9076   52.4579   50.0682   47.7385   45.4688   43.2591   41.1094   39.0197
  Columns 11 through 20
   36.9900   35.0203   33.1106   31.2609   29.4712   27.7415   26.0718   24.4621   22.9124   21.4227
  Columns 21 through 30
   19.9930   18.6233   17.3136   16.0639   14.8742   13.7445   12.6748   11.6651   10.7154    9.8257
  Columns 31 through 40
    8.9960    8.2263    7.5166    6.8669    6.2772    5.7475    5.2778    4.8681    4.5184    4.2287
  Columns 41 through 50
    3.9990    3.8293    3.7196    3.6699    3.6802    3.7505    3.8808    4.0711    4.3214    4.6317
  Columns 51 through 60
    5.0020    5.4323    5.9226    6.4729    7.0832    7.7535    8.4838    9.2741   10.1244   11.0347
  Columns 61 through 70
   12.0050   13.0353   14.1256   15.2759   16.4862   17.7565   19.0868   20.4771   21.9274   23.4377
  Columns 71 through 80
   25.0080   26.6383   28.3286   30.0789   31.8892   33.7595   35.6898   37.6801   39.7304   41.8407
  Columns 81 through 90
   44.0110   46.2413   48.5316   50.8819   53.2922   55.7625   58.2928   60.8831   63.5334   66.2437
  Columns 91 through 100
   69.0140   71.8443   74.7346   77.6849   80.6952   83.7655   86.8958   90.0861   93.3364   96.6467
  Column 101
  100.0170
```

4.

Take $f(x) = x^3 + x - 4$

```
Initial guess: 10
    6.6545  298.3295
    4.4256   88.1047
    2.9512   25.6556
    2.0055    7.0722
    1.4643    1.6040
    1.2485    0.1945
    1.2142    0.0044
    1.2134    0.0000
    1.2134    0.0000
    1.2134   -0.0000
Zero found at
    1.2134
```