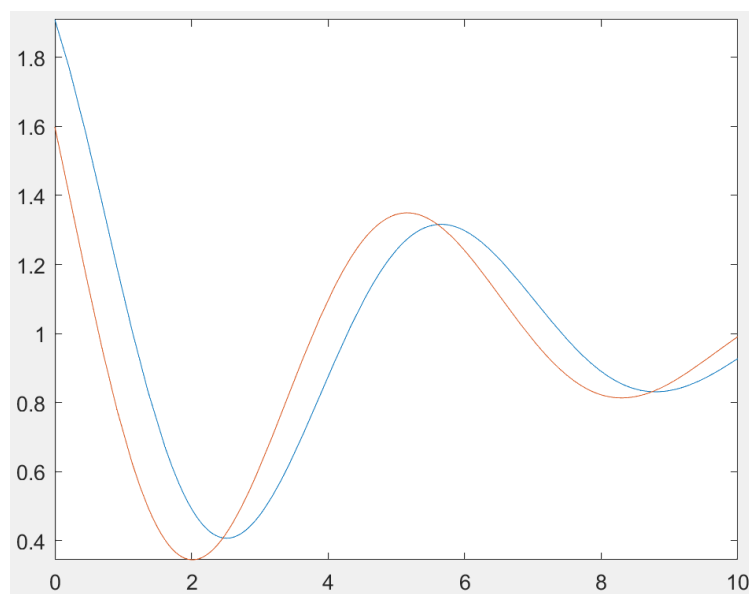1.

```
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
```

2.

```
(x, y)=
    2.5150      0.4070
(x, y)=
    2.0150      0.3447
```


3.

```
y =
    3.0000
```

4.

```
x =

     3
y =

     4
(x, y)=

     4      3
```

5.

```
x =

    3
The result of exponential function is 20.085537
```

6.

```
Standard normal fucntion at 1 is 0.341334
```

7.

```
 0        1
 1        1
 2        2
 3        3
 4        5
 5        8
 6       13
 7       21
 8       34
 9       55
10       89
11      144
12      233
13      377
14      610
15      987
16     1597
17     2584
18     4181
19     6765
20    10946
```

8.

```
P(2 , 3) is 13.000000
```