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Question 1.1

$CO =$

```
25.1130000000000000
-0.026452293094360
 0.000021143571323
-0.000000027123585
-0.000000000131573
```

$T =$

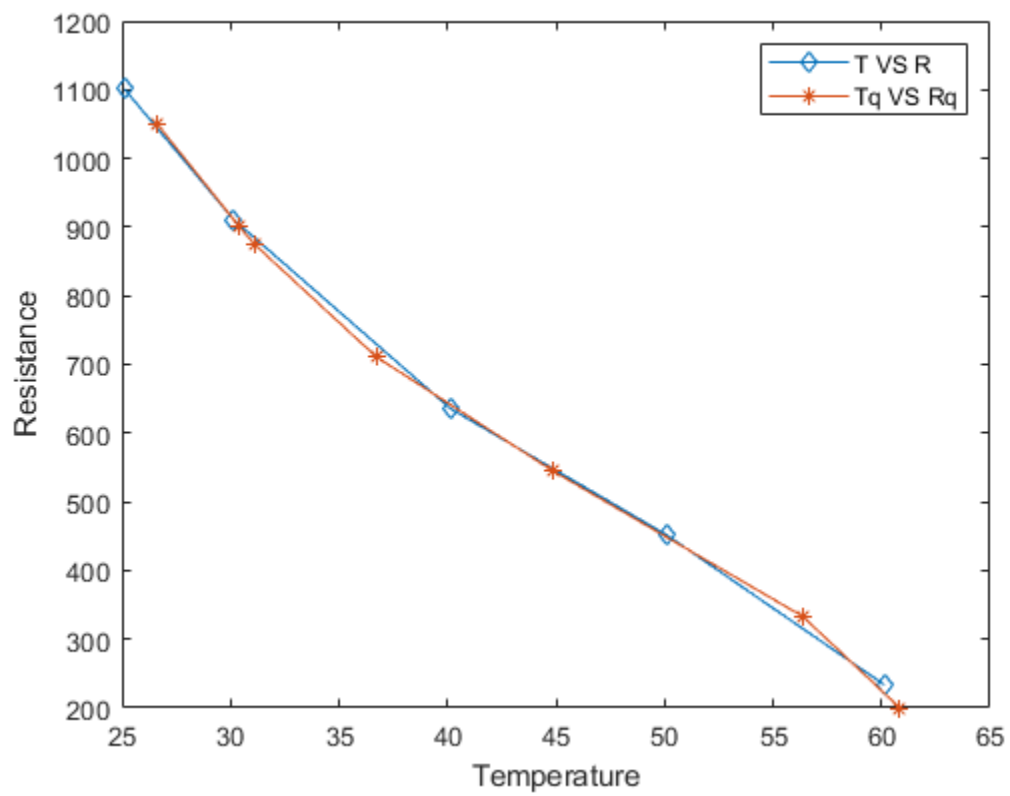
Columns 1 through 3

```
25.1130000000000000      0      0
      0 -0.026452293094360      0
30.1310000000000000      0  0.000021143571323
      0 -0.036284053759535      0
40.119999999999997      0  0.000038771188907
      0 -0.054126554894538      0
50.1280000000000000      0 -0.000020208466673
      0 -0.045992647058824      0
60.1360000000000003      0      0
```

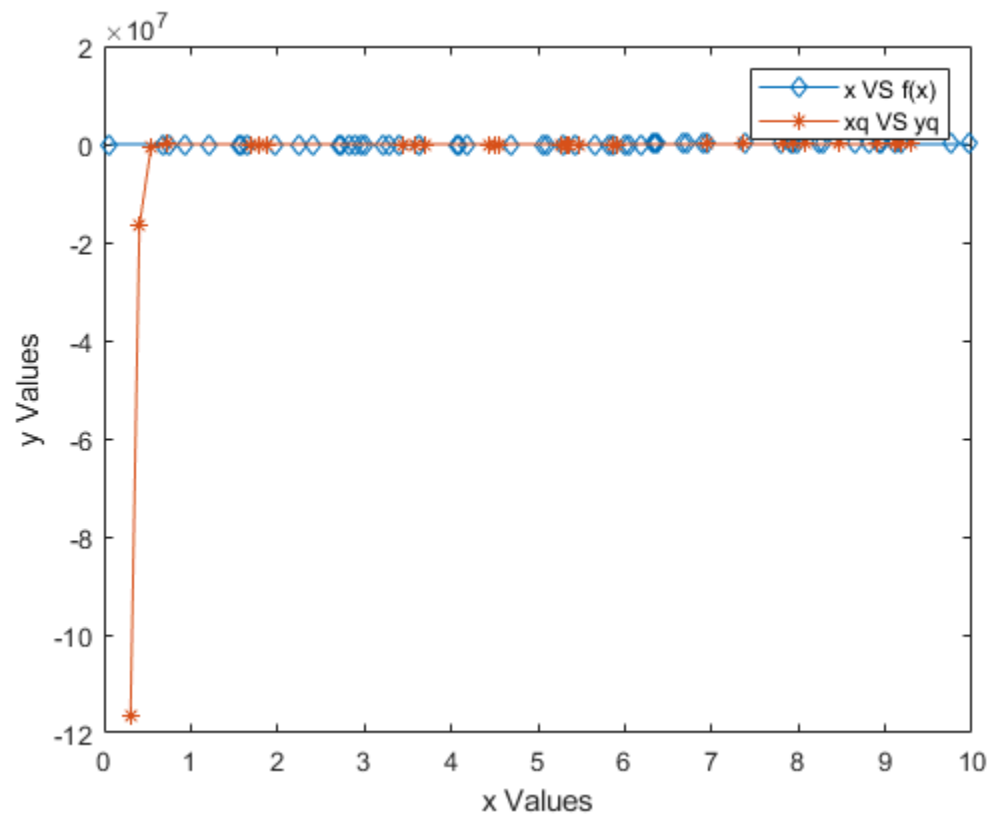
Columns 4 through 5

```
      0      0
      0      0
      0      0
-0.000000027123585      0
      0 -0.000000000131573
 0.000000087016311      0
      0      0
      0      0
      0      0
```

Question 1.2



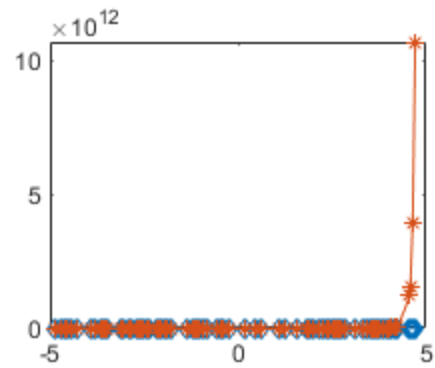
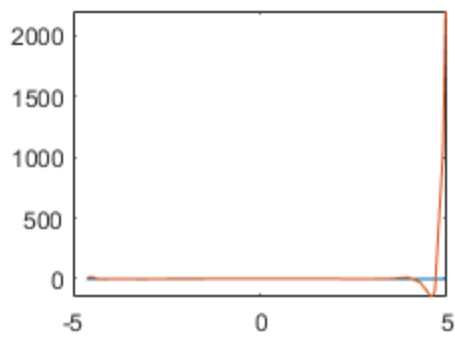
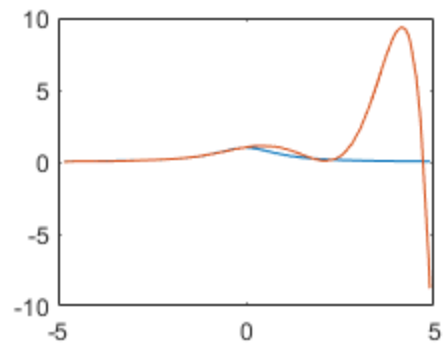
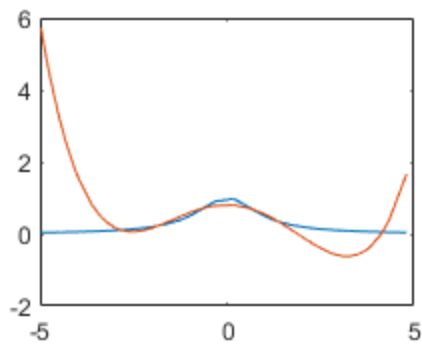
Question 2.1



Question 2.2

Question 3a

$n = 5$	$\max \text{ difference} = 5.6962$
$n = 10$	$\max \text{ difference} = 9.3097$
$n = 20$	$\max \text{ difference} = 2204.019$
$n = 50$	$\max \text{ difference} = 10701788436174.93$



Question 3b

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