

1번

```
>> 235 * 645
```

```
ans =
```

```
151575
```

```
>> 12.45/ 17.56
```

```
ans =
```

```
0.7090
```

```
>> sin(pi/6)
```

```
ans =
```

```
0.5000
```

```
>> sqrt(2)
```

```
ans =
```

```
1.4142
```

```
>> exp(0.5)
```

```
ans =
```

```
1.6487
```

```
>> 132 +45
```

```
ans =
```

```
177
```

4번

```
>> a = 123456
```

```
a =
```

```
123456
```

```
>> b= 3^(0.25)
```

```
b =
```

```
1.3161
```

```
>> c = cos(pi/8)
```

```
c =
```

```
0.9239
```

```
>> (a+b)/c
```

```
ans =
```

```
1.3363e+05
```

```
>> 2*a-3*b
```

```
ans =
```

```
2.4691e+05
```

```
>> c^2 - sqrt(a-b)
```

```
ans =
```

```
-350.5076
```

```
>> a / (3*b+4*c)
```

```
ans =
```

```
1.6151e+04
```

```
>> exp(a^(0.25) - b^10)
```

```
ans =
```

```
23.4818
```

6번

```
>> [1:15].^3
```

```
ans =
```

1 ~ 4번 열

1	8	27	64
---	---	----	----

5 ~ 8번 열

125	216	343	512
-----	-----	-----	-----

9 ~ 12번 열

729	1000	1331	1728
-----	------	------	------

13 ~ 15번 열

2197	2744	3375
------	------	------

```
>> n=1:10
sin(n*pi/10)

n =

1 ~ 9번 열

1      2      3      4      5      6      7      8      9

10번 열

10

ans =

1 ~ 5번 열

0.3090    0.5878    0.8090    0.9511    1.0000

6 ~ 10번 열

0.9511    0.8090    0.5878    0.3090    0.0000
```

```
>> n= 10:20

n =

1 ~ 9번 열

10     11     12     13     14     15     16     17     18

10 ~ 11번 열

19     20

>> sqrt(n)

ans =

1 ~ 5번 열

3.1623    3.3166    3.4641    3.6056    3.7417

6 ~ 10번 열

3.8730    4.0000    4.1231    4.2426    4.3589

11번 열

4.4721
```

7번

```
>> homework_week1_number7
```

```
A =
```

1	2	3
2	3	4
3	4	5

```
B =
```

-1	2	-1
-3	-4	5
2	3	-4

```
C =
```

0	-2	1
-3	5	2
1	1	-7

```
2*A - 3*B
```

```
ans =
```

5	-2	9
13	18	-7
0	-1	22

```
A^7
```

```
ans =
```

1133568	1647000	2160432
1647000	2392983	3138966
2160432	3138966	4117500

```
A*B - B*A
```

```
ans =
```

-1	3	-3
-7	2	-3
-1	8	-1

$B \cdot C'$

ans =

-5	11	8
13	-1	-42
-10	1	33

$(A \cdot B)'$

ans =

-1	-3	-5
3	4	5
-3	-3	-3

$B' \cdot A'$

ans =

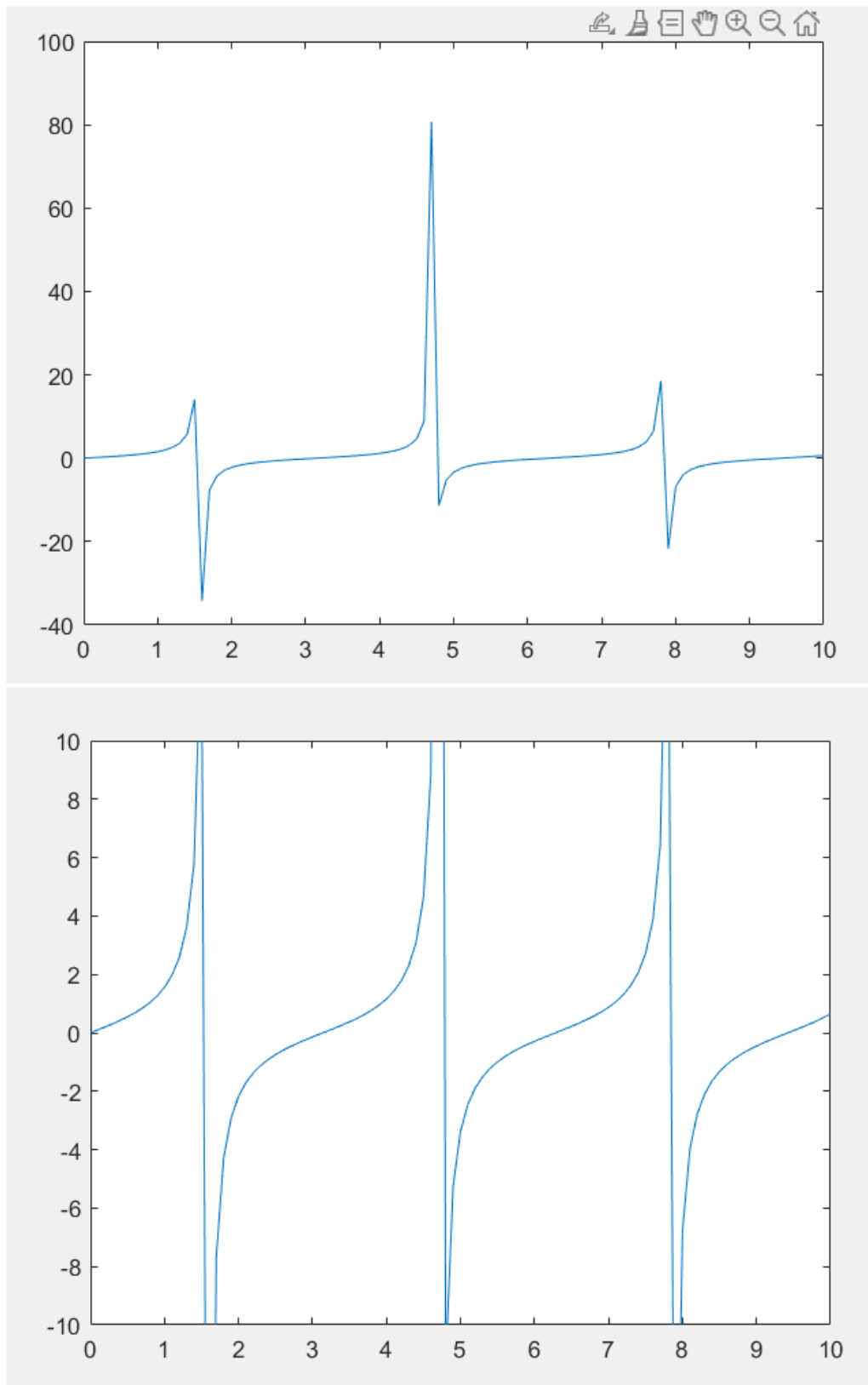
-1	-3	-5
3	4	5
-3	-3	-3

$A^2 + B^3$

ans =

90	103	-92
-154	-132	286
163	167	-147

11번



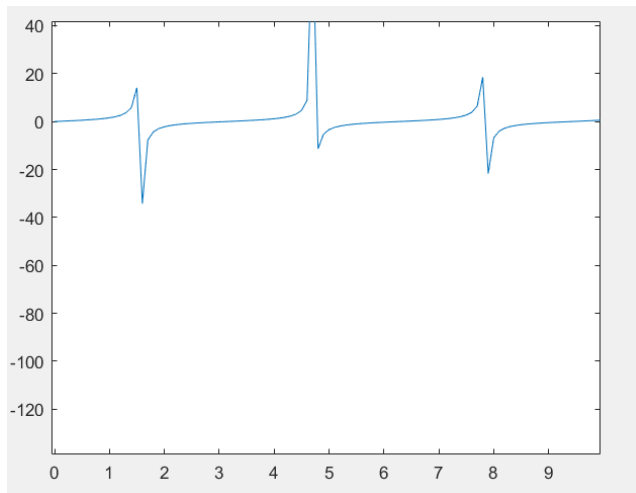
axis function is consisted of

axis[start of x, end of x, start of y, end of y]

assign the range of x, y -> X, Y축 범위 지정

axis 함수는 x,y축의 범위를 지정하는 함수이다.

ex 1) axis([0,10,-10,10]) -> axis([0,10,100,10])



Ex 2) axis([0,10,-10,10]) -> axis([0,10,-10,100])

