```
Enter the coordinates of a triangle:

(X0 , Y0) = 400 100

(X1 , Y1) = 450 50

(X2 , Y2) = 500 100

****MENU****

1 -> Rotation
2 -> Rotation about a point (a,b)
3 -> Reflection through x-axis
4 -> Reflection through y-axis
5 -> Reflection through a line y=a
7 -> Reflection through a line y=x
9 -> Reflection through a line y=x
1 -> Reflection through a line y=x
1 -> Reflection through a line y=x
2 -> Reflection through a line y=x
3 -> Reflection through a line y=x
4 -> Reflection through a line y=x
5 -> Reflection through a line y=x
6 -> Reflection through a line y=x
7 -> Reflection through a line y=x
8 -> Reflection through a line y=x
10 -> Reflection through a line y=mx+c
```

```
****MENU****

1 -> Rotation
2 -> Rotation about a point (a,b)
3 -> Reflection through x-axis
4 -> Reflection through y-axis
5 -> Reflection through a line y=a
7 -> Reflection through a line y=x
9 -> Reflection through a line y=x
10 -> Reflection through a line y=x
11 -> Exit

Enter the angle
0.17

****MENU****

1 -> Rotation
2 -> Rotation about a point (a,b)
3 -> Reflection through x-axis
4 -> Reflection through x-axis
5 -> Reflection through y-axis
5 -> Reflection through y-axis
5 -> Reflection through a line y=x
9 -> Reflection through y-axis
5 -> Reflection through a line y=x
9 -> Reflection through a line y=x
10 -> Reflection through a line y=x
10 -> Reflection through a line y=x
11 -> Exit
```

```
Enter the coordinates of a triangle:

(X0 , Y0) = 400 300

(X1 , Y1) = 400 350

(X2 , Y2) = 350 350

****MENU****

1 -> Rotation

2 -> Rotation about a point (a,b)

3 -> Reflection through x-axis

4 -> Reflection through y-axis

5 -> Reflection through origin

6 -> Reflection through a line y=a

7 -> Reflection through a line y=x

9 -> Reflection through a line y=x

10 -> Reflection through a line y=mx+c

11 -> Exit
```

```
Enter the coordinates of a triangle:

(X0 , Y0) = 350 350

(X1 , Y1) = 400 350

(X2 , Y2) = 400 300

****MENU****

1 -> Rotation

2 -> Rotation about a point (a,b)

3 -> Reflection through x-axis

4 -> Reflection through y-axis

5 -> Reflection through origin

6 -> Reflection through a line y=a

7 -> Reflection through a line y=x

9 -> Reflection through a line y=x

10 -> Reflection through a line y=mx+c

11 -> Exit
```

```
****MENU****

1 -> Rotation
2 -> Rotation about a point (a,b)
3 -> Reflection through x-axis
4 -> Reflection through y-axis
5 -> Reflection through a line y=a
7 -> Reflection through a line y=>
8 -> Reflection through a line y=x
9 -> Reflection through a line y=x
10 -> Reflection through a line y=x
11 -> Exit
6
Enter the value of a: 375

****MENU****

1 -> Rotation
2 -> Rotation about a point (a,b)
3 -> Reflection through y-axis
4 -> Reflection through y-axis
5 -> Reflection through a line y=a
7 -> Reflection through a line y=a
7 -> Reflection through a line y=x
9 -> Reflection through a line y=x
10 -> Reflection through a line y=x
11 -> Reflection through a line y=x
12 -> Reflection through a line y=x
13 -> Reflection through a line y=x
14 -> Reflection through a line y=x
15 -> Reflection through a line y=x
16 -> Reflection through a line y=x
17 -> Reflection through a line y=x
18 -> Reflection through a line y=x
19 -> Reflection through a line y=x
10 -> Reflection through a line y=x
11 -> Exit
```

```
******TENU****

1 -> Rotation
2 -> Rotation about a point (a,b)
3 -> Reflection through x-axis
4 -> Reflection through y-axis
5 -> Reflection through origin
6 -> Reflection through a line y=a
7 -> Reflection through a line y=x
9 -> Reflection through a line y=x
10 -> Reflection through a line y=x
11 -> Exit
7

Enter the value of b: 450

*****TENU****

1 -> Rotation
2 -> Rotation about a point (a,b)
3 -> Reflection through y-axis
4 -> Reflection through y-axis
5 -> Reflection through y-axis
5 -> Reflection through a line y=a
7 -> Reflection through a line y=a
9 -> Reflection through a line y=x
10 -> Reflection through a line y=x
11 -> Exit
```

```
**************

1 -> Rotation
2 -> Rotation about a point (a,b)
3 -> Reflection through x-axis
4 -> Reflection through y-axis
5 -> Reflection through origin
6 -> Reflection through a line y=a
7 -> Reflection through a line y=x
8 -> Reflection through a line y=x
9 -> Reflection through a line y=x
10 -> Reflection through a line y=x
11 -> Exit
8

*************************

1 -> Rotation
2 -> Rotation about a point (a,b)
3 -> Reflection through x-axis
4 -> Reflection through y-axis
5 -> Reflection through origin
6 -> Reflection through a line y=a
7 -> Reflection through a line y=b
8 -> Reflection through a line y=x
9 -> Reflection through a line y=x
10 -> Reflection through a line y=x
11 -> Exit

11

BYE
```