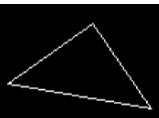
```
SAMIKSHYA TIMALSINA                                          HCE076BCT034

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 origin
6 -> Reflection through a line y=a
7 -> Reflection through a line x=b
8 -> Reflection through a line y=x
9 -> Reflection through a line y=-x
10 -> Reflection through a line y=mx+c
11 -> Exit
```

```
(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 origin
6 -> Reflection through a line y=a
7 -> Reflection through a line x=b
8 -> Reflection through a line y=x
9 -> Reflection through a line y=-x
10 -> Reflection through a line y=mx+c
11 -> Exit
1
Enter the angle         0.17

****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 x=b
8 -> Reflection through a line y=x
9 -> Reflection through a line y=-x
10 -> Reflection through a line y=mx+c
11 -> Exit
```



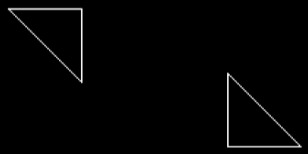
```
SAMIKSHYA TIMALSINA                                          HCE076BCT034

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 x=b
8 -> 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 origin
6 -> Reflection through a line y=a
7 -> Reflection through a line x=b
8 -> Reflection through a line y=x
9 -> Reflection through a line y=-x
10 -> Reflection through a line y=mx+c
11 -> Exit
2
Enter the points        400 300
Enter the angle         0.17

****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 x=b
8 -> Reflection through a line y=x
9 -> Reflection through a line y=-x
10 -> Reflection through a line y=mx+c
11 -> Exit
```

```
SAMIKSHYA TIMALSINA                                          HCE076BCT034

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 x=b
8 -> Reflection through a line y=x
9 -> Reflection through a line y=-x
10 -> Reflection through a line y=mx+c
11 -> Exit
```

```
(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 x=b
8 -> Reflection through a line y=x
9 -> Reflection through a line y=-x
10 -> Reflection through a line y=mx+c
11 -> Exit
6
Enter the value of a:   375

****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 x=b
8 -> 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 value of a:   375

****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 x=b
8 -> Reflection through a line y=x
9 -> Reflection through a line y=-x
10 -> Reflection through a line y=mx+c
11 -> Exit
7
Enter the value of b:   450

****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 x=b
8 -> 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 origin
6 -> Reflection through a line y=a
7 -> Reflection through a line x=b
8 -> Reflection through a line y=x
9 -> Reflection through a line y=-x
10 -> Reflection through a line y=mx+c
11 -> Exit
8

****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 x=b
8 -> Reflection through a line y=x
9 -> Reflection through a line y=-x
10 -> Reflection through a line y=mx+c
11 -> Exit
11

BYE
```