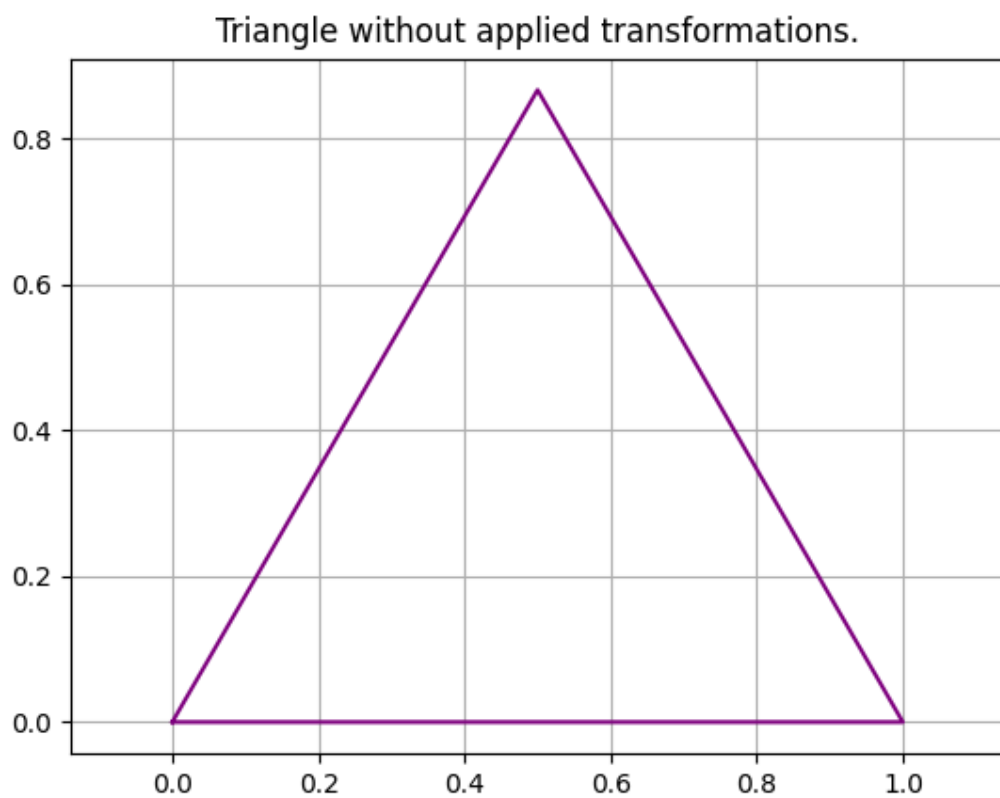
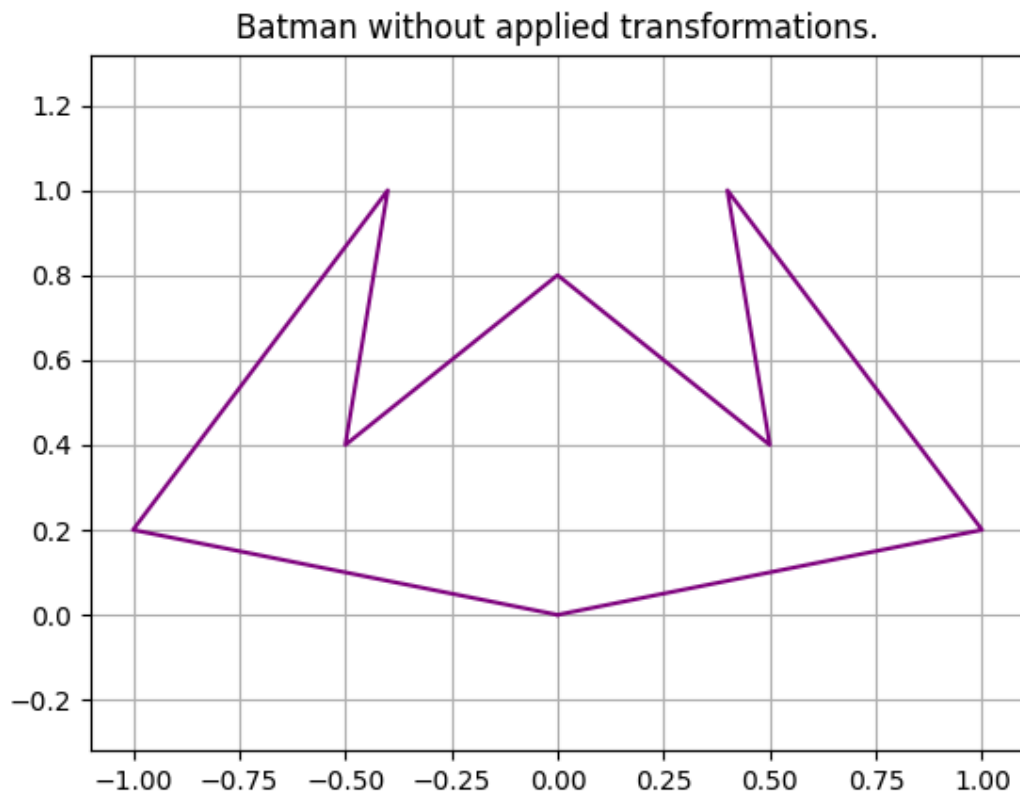
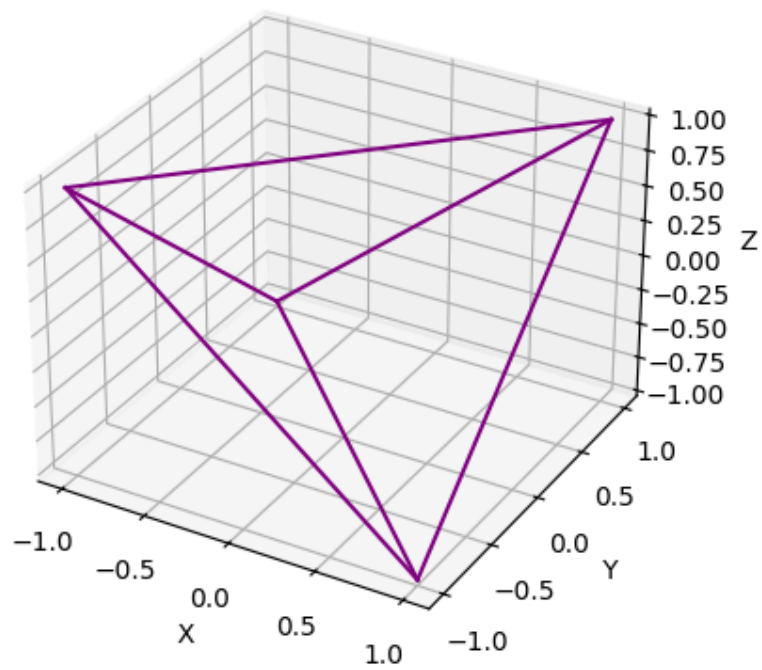


Part 1

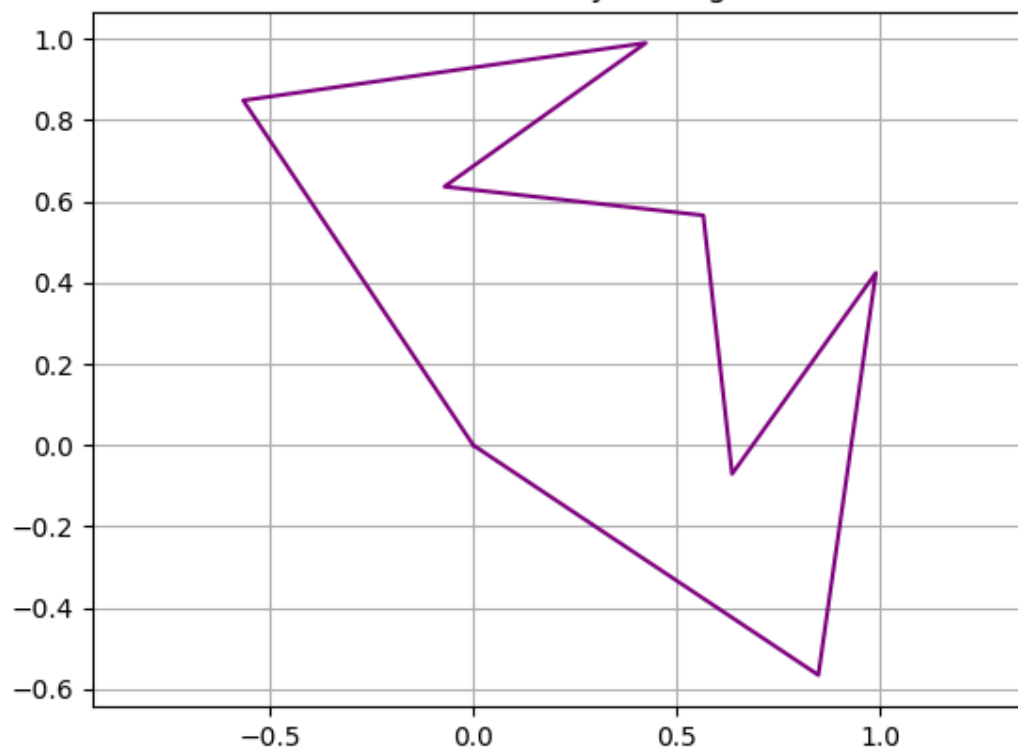
Execution results:



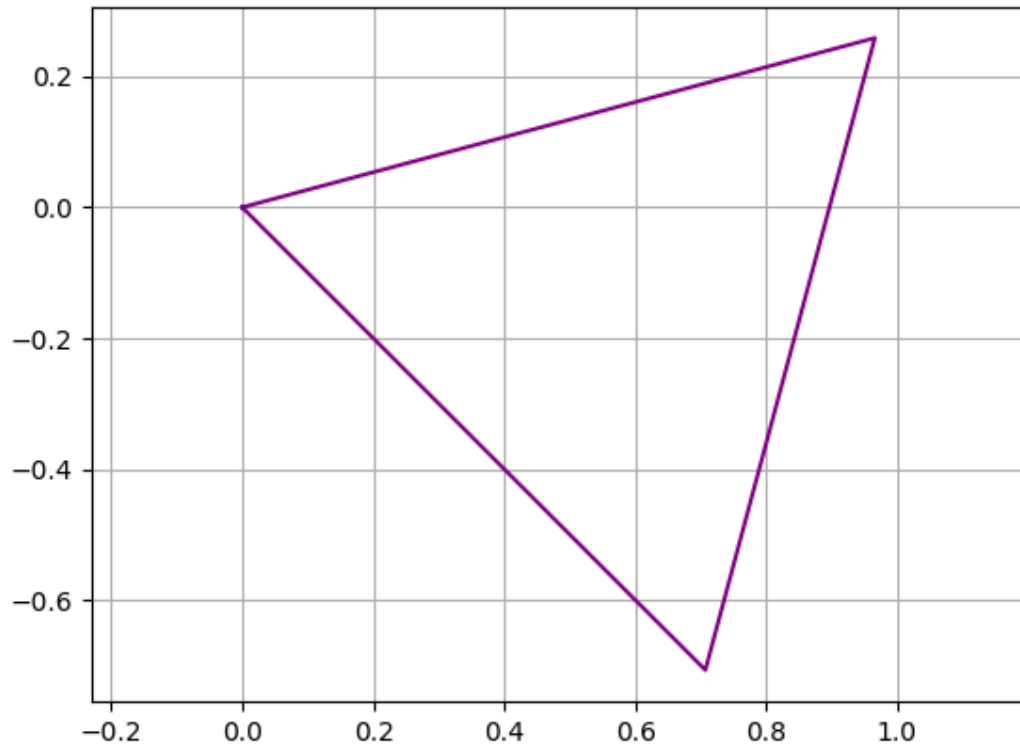
Tetrahedron without applied transformations.



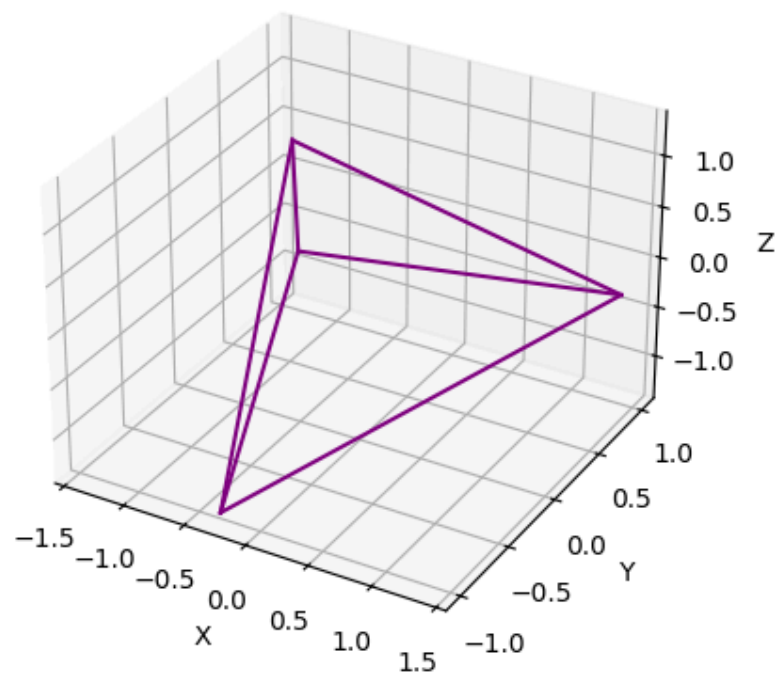
Batman rotated by 45 degrees.



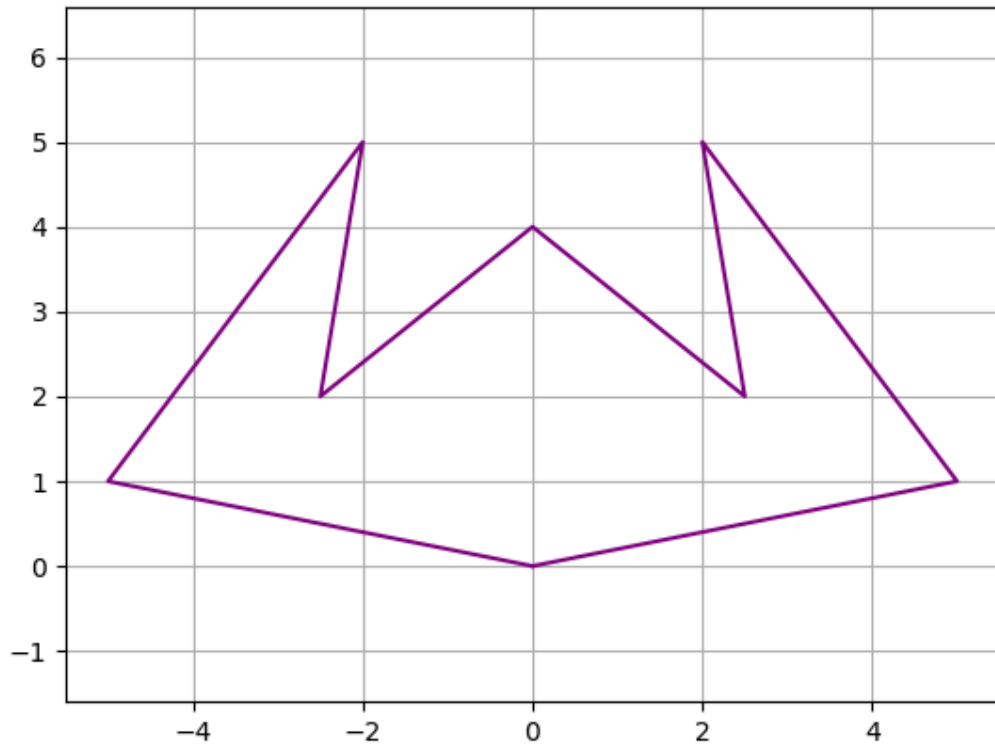
Triangle rotated by 45 degrees.



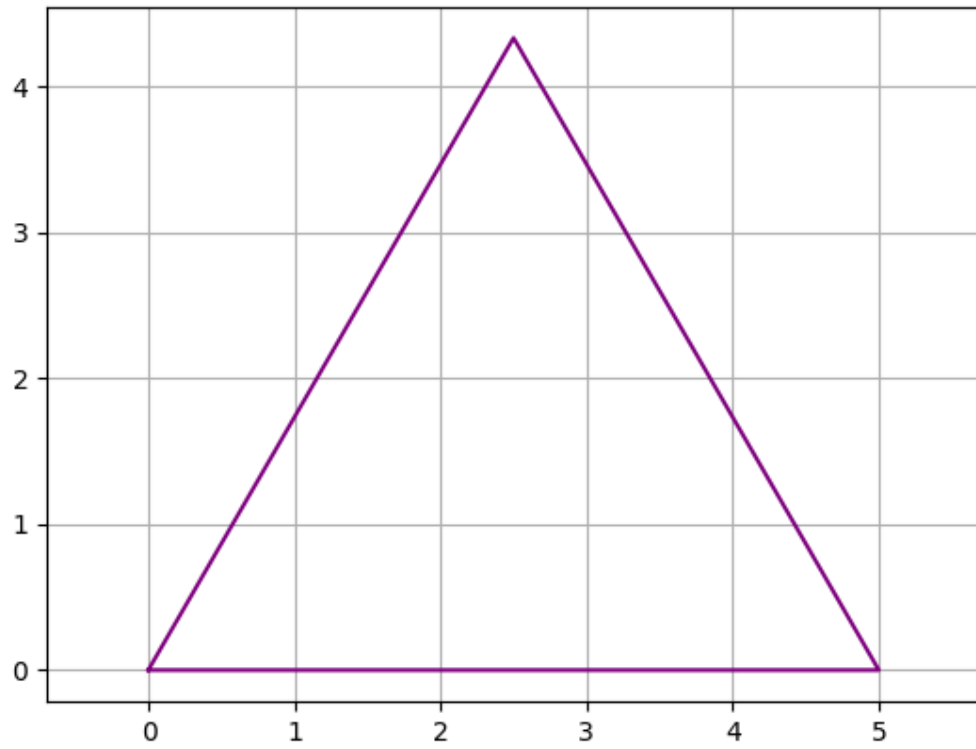
Tetrahedron rotated by 45 degrees by y axis.



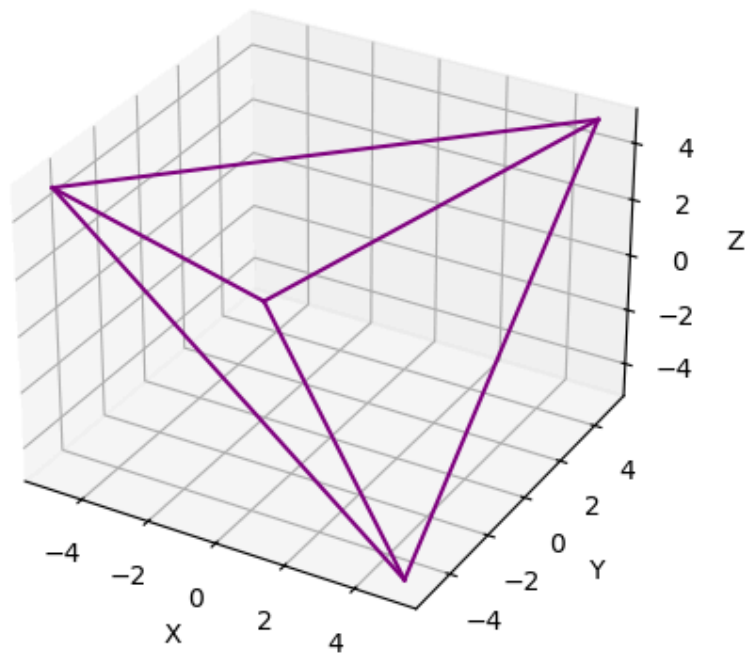
Batman scaled by 5.0.



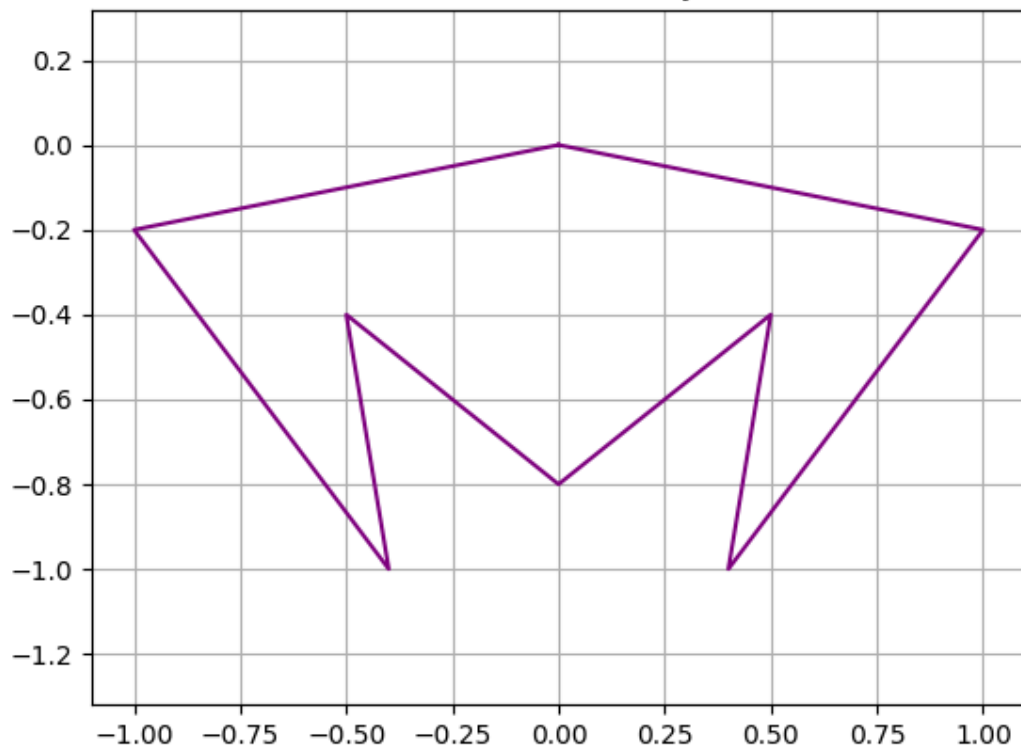
Triangle scaled by 5.0.



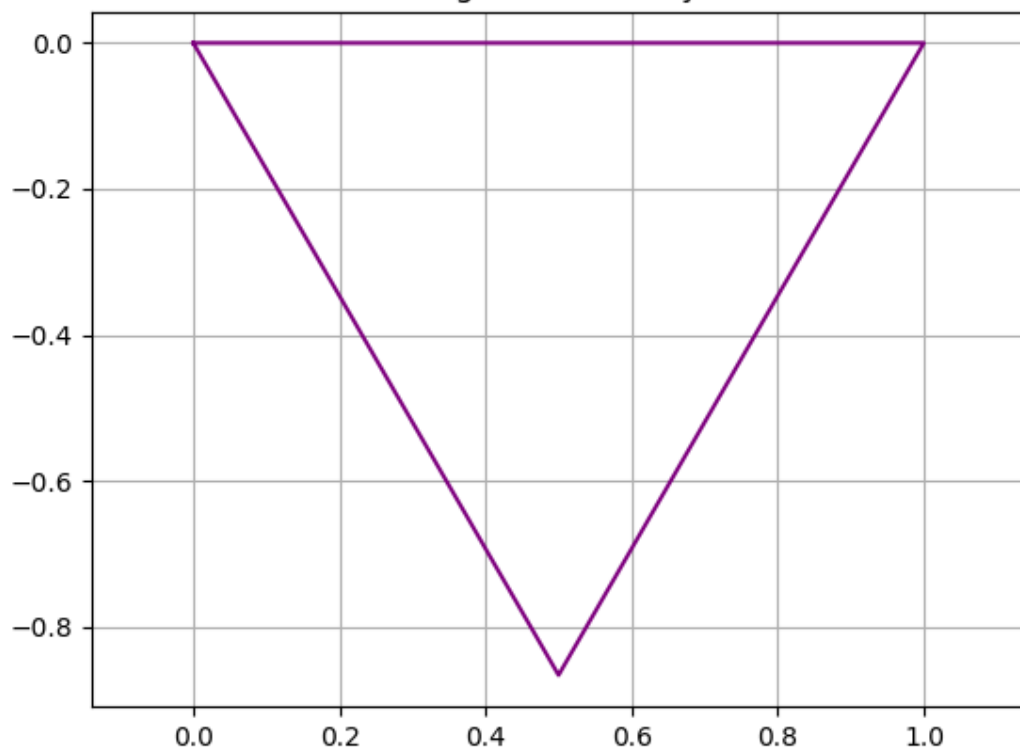
Tetrahedron scaled by 5.0.



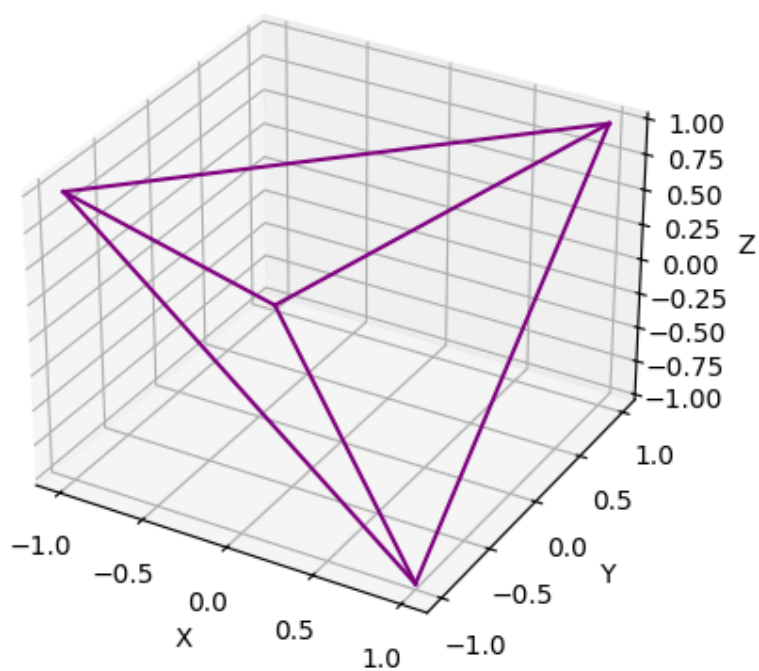
Batman reflected by x.



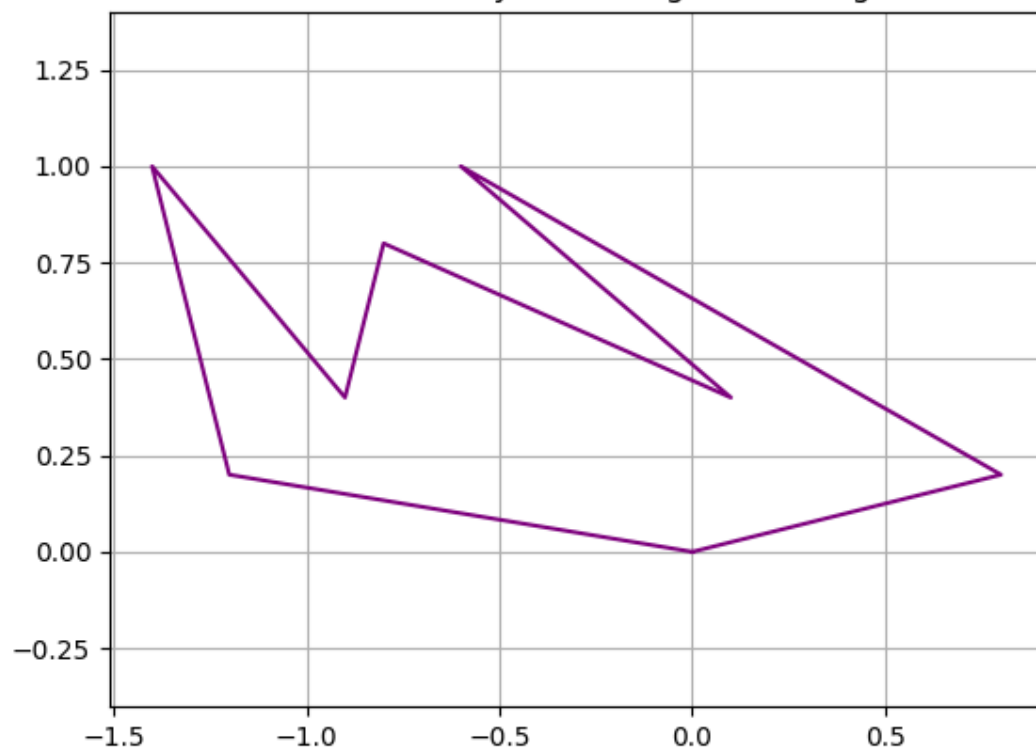
Triangle reflected by x.



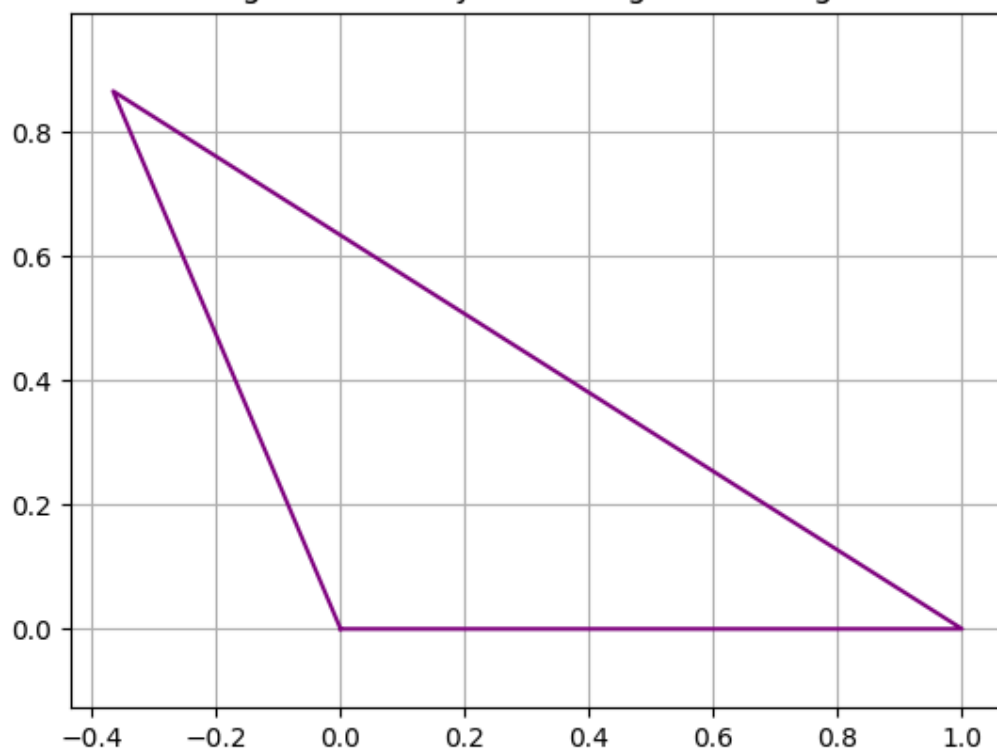
Tetrahedron reflected by z.



Batman sheared by x with angle of 45 degrees.

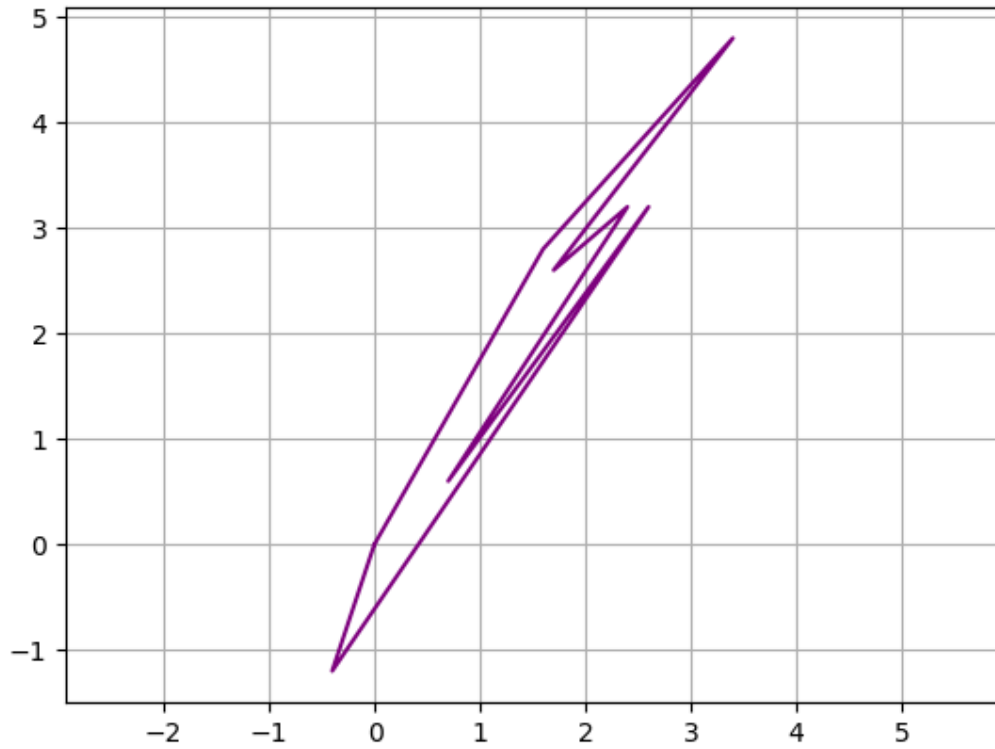


Triangle sheared by x with angle of 45 degrees.



```
Enter numbers for a, b, c and d in order 'a' 'b' 'c' 'd' respectfully for 2x2 matrix for 2d objects:  
a b  
c d  
1 2 3 4
```

Batman transformed by custom matrix.



Triangle transformed by custom matrix.

