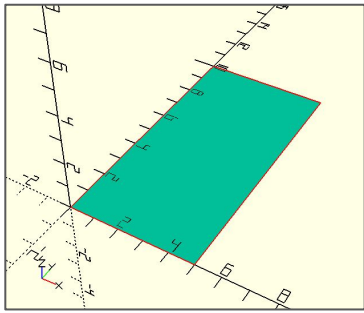## Rectangle
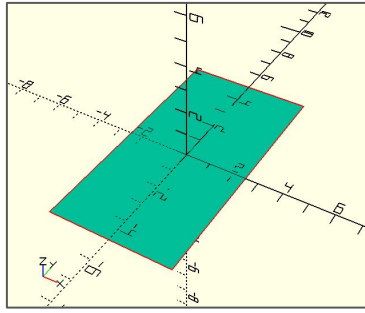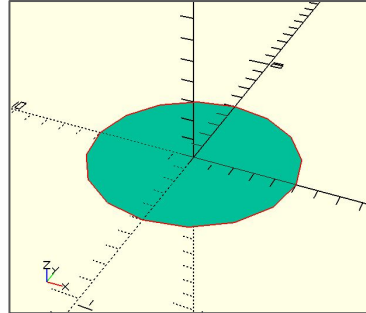


```
square([5,10]);
```

Centered Rectangle
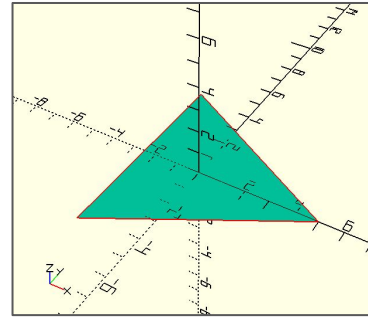


```
square([5,10,15], center=true);
```

Circle


```
circle(r=5);
```
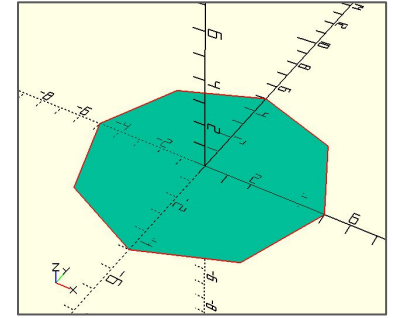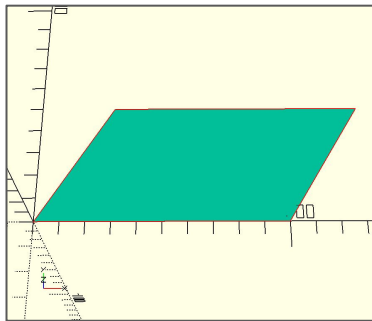
Triangle


```
circle(r=5, $fn=3);
```
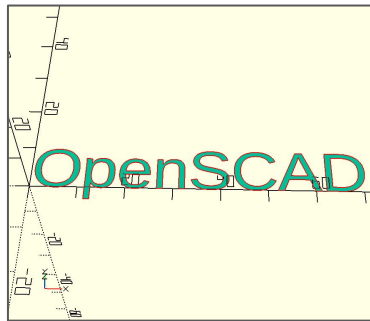
Octagon


```
circle(r=5, $fn=8);
```
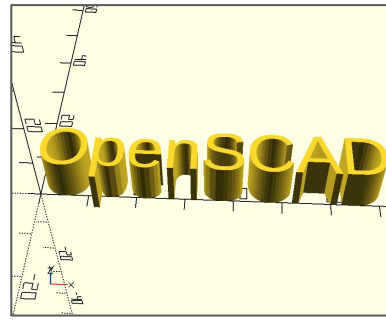
Polygon


```
polygon(points=[[0,0],[100,0],
    [130,50],[30,50]]);
```
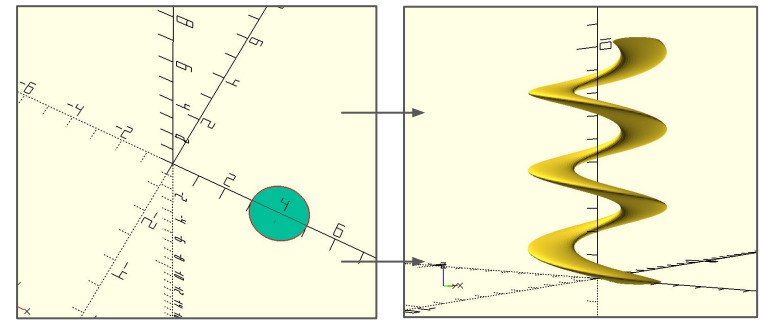
Text


```
text("OpenSCAD");
```
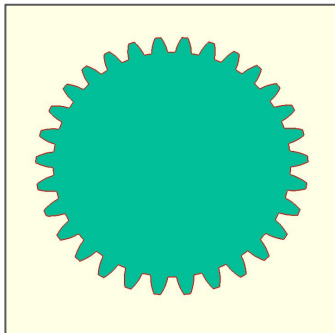
Linear Extrude


```
linear_extrude(10)
    text("OpenSCAD");
```

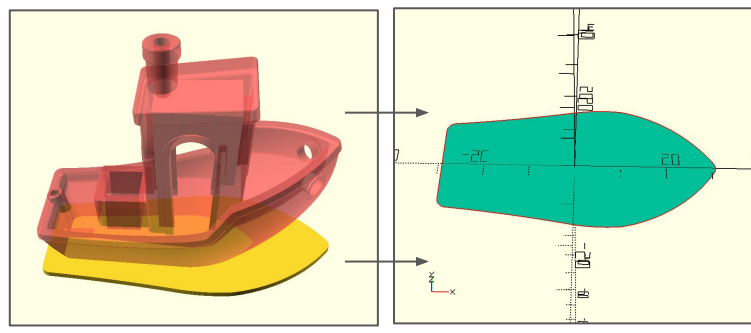## Linear Extrude with a Twist


```
linear_extrude(height = 10,  convexity = 5, twist = 1080, $fn = 50)
    translate([4, 0, 0]) circle(r = 1, $fn=50);
```
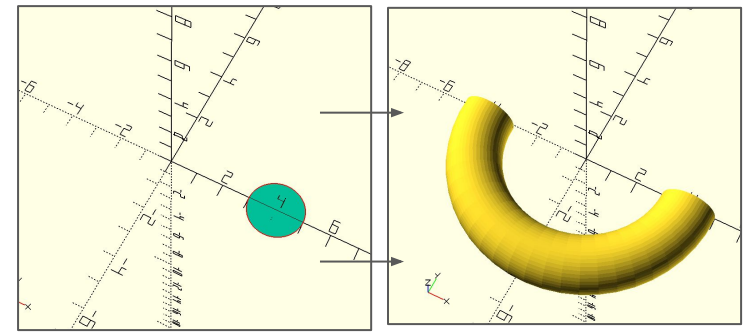
Imported .svg/.dxf


```
import("gear.svg");
```

2D Orthogonal "Shadows" from 3D Objects


```
projection(cut = false) import("3DBenchy.stl");
```

Rotate Extrude


```
rotate_extrude($fn = 50, angle=-180)
    translate([4, 0, 0]) circle(r = 1, $fn=50);
```

OpenSCAD: 2D Shapes
Quick Reference