# 1 | **Rectangle**
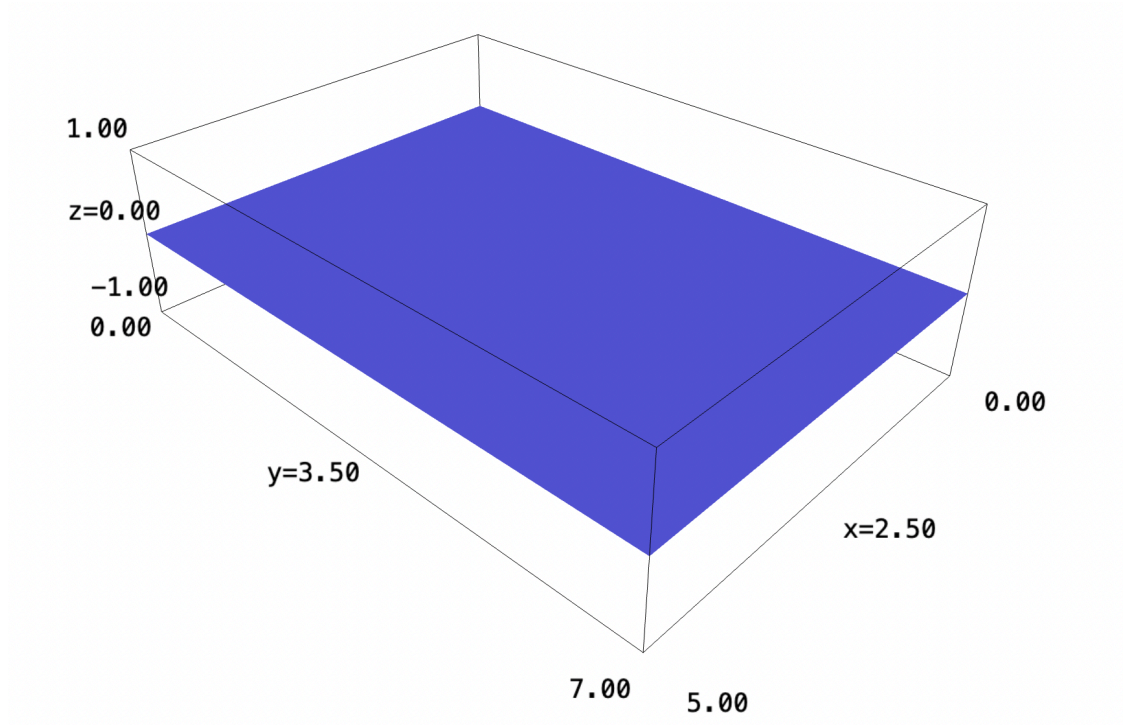
```
f(x) = 0
plot3d(f, (x,0,5), (y,0,7))
```



$$dA = \sqrt{1} = 1 \tag{1}$$

$$\iint_V 1dV \tag{2}$$

$$\Rightarrow \int_0^5 \int_0^7 1dx\ dy \tag{3}$$

$$\Rightarrow 35 \tag{4}$$

# 2 | **Area of a Plane**

```
f(x,y) = 2*x+3*y+10
plot3d(f, (x,0,5), (y,0,7))
```

41.00

z=25.50

.00

x=2.50

5.00
7.00

y=3.50