In[3]:=
```
GroebnerBasis[{x y z - 1, x z^2 - y^2 , z^2 - x y}, {x, y, z}]
```

Out[3]=
$$\left\{-1 + z^3,\ y^3 - z,\ x - y^2\ z\right\}$$

In[4]:=
```
Solve[{x y z - 1 == 0, x z^2 - y^2 == 0 , z^2 - x y == 0}, {x, y, z}, Reals]
```

Out[4]=
$$\{\{x \to 1,\ y \to 1,\ z \to 1\}\}$$