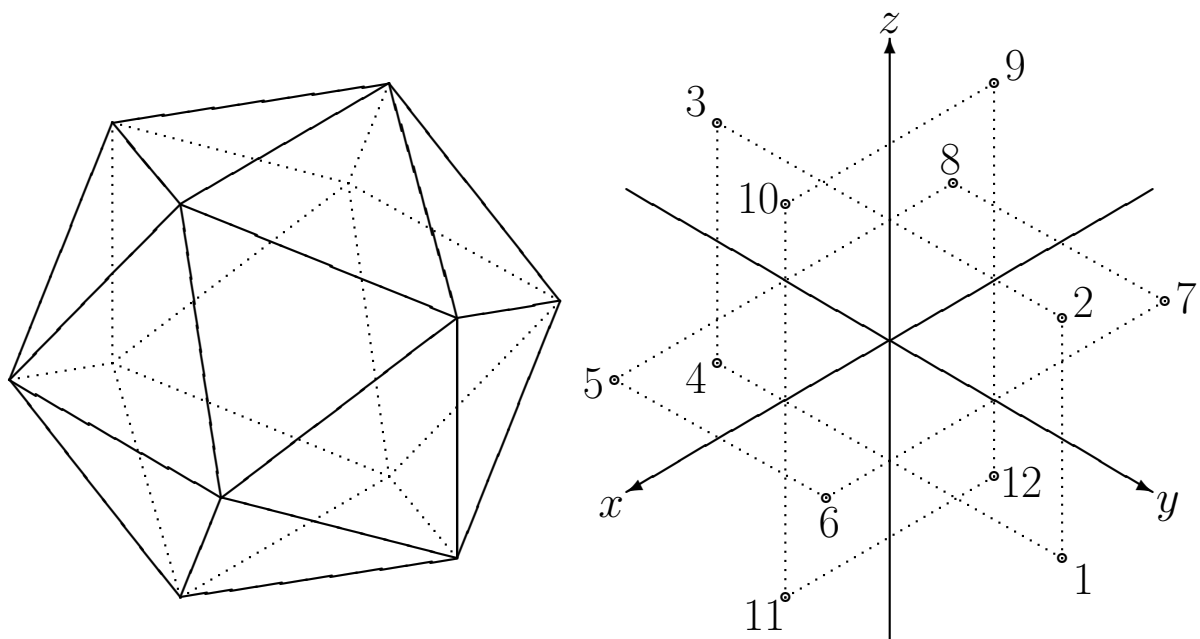


Regular Icosahedron.



**vertices have coordinates**  $(0, \pm b, \pm 1)^C$ ,

$$b = -b_5^* = -e^{\frac{2\pi i}{5}2} - e^{\frac{2\pi i}{5}3} = \frac{1}{2}(1 + \sqrt{5})$$

```
gap> b:= ( 1 + Sqrt( 5 ) ) / 2;
      -E(5)^2-E(5)^3
```