**Solving Equations**

The more numbers you are prepared to allow to exist, the more equations you can solve:

$$x+3=10$$

To the person who invented zero:

*Thanks for nothing!*

$$x+3=3$$

$$x+10=3$$

$$2x+3=10$$

$$x^{2}+3=10$$

$$x^{2}+10=3$$

Solve: $x^{2}-2x+5=0$

The solutions to $ax^{2}+bx+c=0$ are:

$$x=\frac{-b\pm \sqrt{b^{2}-4ac}}{2a}$$

provided that $a\ne 0$.



