

SECOND DEGREE EQUATIONS OR QUADRATIC EQUATIONS

A quadratic equation with one unknown is an equality between two algebraic expressions that can be written as $ax^2 + bx + c = 0$ where a, b and c are real numbers and a $\neq 0$. If b and c are numbers different to 0, the equation is **complete**. In other case, it is **incomplete**.



The equation has two solutions: $x_1 = 2$ and $x_2 = -4$.

Solve these equations: **a**) $x^2 - 7x + 12 = 0$ **c**) $x^2 - 49 = 0$

b) $-2x^2 + 6x - 3 = 0$ **d**) $2x^2 - 8x + 8 = 0$