Concept of "Quadratic Equation":-

↳ Standard Form:-

The Standard Form of a Quadratic Equation look like this:

$$ax^2+bx+c=0 \quad , \quad a\neq 0$$

where a, b, c are Real numbers 'x' is variable

* For example:- $7x^2+3x+2=0$

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* Note:-

If $a=0$, it will not be a quadratic equation. The name quadratic comes from "quad" meaning square, because the variable get squared (like x2). It is also called an "Equation of Degree 2"

↳ Pure Quadratic Equations:-

the "Pure Form" of a Quadratic Equation look like this:

$ax^2+c=0$, $b=0$ in standard Equation:-

$$\Rightarrow ax^2+bx+c=0$$

* For example:-

$$x^2-16=0$$

$$4x^2=7$$

These values are Pure form of quadratic Equation.