Algebraic Expressions:

An algebraic expression can be referred to as a polynomial. The degree of a polynomial is defined by the term with the highest power. Therefore...

\[ X^2 + 3 \] is a polynomial of degree 2 (Quadratic)

\[ X^2 + 3X^2 - 7 \] is a polynomial of degree 3 (Cubic)

\[ X^7 + 5X^3 - 8X \] is a polynomial of degree 7... and so on

A quadratic with 3 terms often descending powers (eg \( 2X^2 + 6X - 5 \)) is often referred to as a trinomial.