

Polynomials are expressions that contain many terms.

$$-3x^5 + 5x^3 - 12x^2 - 17x + 15$$

A polynomial in Standard Form is written from **highest** exponent to the **lowest**.

The Degree is the highest exponent of the polynomial.

Special Polynomials have their own name.

Classify each expression.

1) $-8x^5$ **Monomial**

2) $3y^2 - 12y$ **Binomial**

3) $-5x^4 + 8x^2 - 12$ **Trinomial**

4) Anything with 4 or more terms is a **Polynomial**

Put each polynomial **Standard form**.

Give its **classification** and state its **degree**.

5) $26x + 8 - 12x^4$

6) $15 - x + 12x^5 - 8x^2$

7) $5 - 14c^3 + 7c - c^7$

