

monomial -**examples:****non-examples:****polynomial -****degree of a polynomial -****like terms -****examples:****non-examples:****standard form of a polynomial -**

$$15x - 2x^3 + 3 - x^2 \longrightarrow$$

leading coefficient -

$$15x - 2x^3 + 3 - x^2 \longrightarrow$$

special names for polynomials based on their degree

Degree _____ Name _____

0
1
2
3
4
5
6 or more

special names for polynomials based on their number of terms

Number of terms _____ Name _____

1
2
3
4 or more

adding and subtracting polynomials -

$$14y^3 + 6y^2 - 2y^3 + 4y - 8 + 5y^2$$

$$2x + 6x^2 + 5x^4 + 8x^4 - 3x^2 - 6x + 2$$

$$y^4 - 7y^4 + 6y^2 + y - 3y^2 - 6y$$

$$(2 - 7y^3 - 8x^2y^4 - 3xy^2) - (7 - 7xy^2 - 6x^2y^4)$$

$$(7u^3 - 8u^4 - 7u^4v^3 - 5u^4v^4) + (2u^4v^4 + 5u^3 - 7u^4)$$