

Polynomials

Objective: To add and subtract polynomials

A monomial is a number, a variable or a product of a number and a group of variables.

A polynomial is a sum of monomials.

Some polynomials have special names:

Binomial(two terms): $3x + 5$

Trinomial(three terms): $2x^2 + 2x + 1$

The degree of the polynomial is the

Add/Subtract the following:

$$\begin{array}{r} (1) \ 2x - 5 \\ \quad + \underline{x + 3} \end{array}$$

$$\begin{array}{r} (2) \ 4m - 3 \\ \quad + \underline{3m + 1} \end{array}$$

$$\begin{array}{r} (3) \ 5n + 6 \\ \quad + \underline{-2n + 1} \end{array}$$

$$\begin{array}{r} (4) \ 4y - 2 \\ \quad + \underline{-3y - 9} \end{array}$$

$$\begin{array}{r} (5) \ 3x^2 - 2x + 1 \\ \quad + \underline{x^2 - 2x + 3} \end{array}$$

$$\begin{array}{r} (6) \ 3y^2 - 5 \\ \quad + \underline{2y^2 - 3y + 4} \end{array}$$

$$\begin{array}{r} (7) \ 6a - 4b + c \\ \quad + \underline{4a + 4b + c} \end{array}$$

$$\begin{array}{r} (8) \ 1 - 2y + 3y^2 \\ \quad + \underline{3 - 2y + y^2} \end{array}$$