

TOPIC: INTRO TO POLYNOMIALS

Intro to Polynomials

◆ **Polynomial:** Algebraic expression where variables have only _____ number exponents (*no negatives, no fractions*)

► **Monomial:** _____ term(s)

► **Binomial:** _____ term(s)

► **Trinomial:** _____ term(s)

$$6x^3 + 3x^2 + 5x$$

EXAMPLE: Determine if the expression is a polynomial. If so, identify if it's a **monomial**, **binomial**, **trinomial**, or none.

(A)

$$\frac{3}{4}x + x^3$$

Whole number exp? ☐

Number of terms? _____

MONOMIAL
BINOMIAL
TRINOMIAL
NONE

(B)

$$\frac{5}{y}$$

Whole number exp? ☐

Number of terms? _____

MONOMIAL
BINOMIAL
TRINOMIAL
NONE

(C)

$$2x^3y^2$$

Whole number exp? ☐

Number of terms? _____

MONOMIAL
BINOMIAL
TRINOMIAL
NONE