

Polynomials can be classified by...

the degree of the polynomial

degree: 0  $\Rightarrow$  constant

degree: 1  $\Rightarrow$  linear

degree: 2  $\Rightarrow$  quadratic

degree: 3  $\Rightarrow$  cubic

the number of terms in the polynomial

1 term  $\Rightarrow$  monomial

2 terms  $\Rightarrow$  binomial

3 terms  $\Rightarrow$  trinomial

4+ terms  $\Rightarrow$  polynomial

Description  $\Rightarrow$  degree - # of terms

Classify the following polynomials

Polynomial	Degree	Terms	Description
$4x^2 - 6x + 1$			
$-y^4 + 2y^3 + 8y^2 - 3$			
$2a^3 - 3$			
$-5t$			
$120$			
$a^2 - 9$			

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