TERM = A NUMBER, A VARIABLE(S), OR A NUMBER TIMES A VARIABLE(S)

EX: 7

$3X$

X^2

$4X^2y^5$

COEFFICIENT: NUMBER IN FRONT OF TERM

MONOMIAL = 1 TERM

BINOMIAL = 2 TERMS

TRINOMIAL = 3 TERMS

POLYNOMIAL = 1 OR MORE TERMS

DEGREE = LARGEST POWER OF X

STANDARD FORM: POLYNOMIAL IS WRITTEN FROM LARGEST POWER TO SMALLEST

POLYNOMIALS CANNOT HAVE:

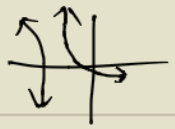
1. NEGATIVE EXPONENTS
2. FRACTIONAL EXPONENTS
3. X'S IN DENOMINATOR

GRAPHWISE, POLYNOMIALS CANNOT HAVE:

1. SHARP CORNERS

2. HOLES

3. GAPS



$f(x) = 5x^7 - 3x^4 - 5x + 2$

DEGREE

COEFF. 5

LEADING TERM $5x^7$

LEADING COEFFICIENT TEST

	EVEN DEGREE	ODD DEGREE
POSITIVE COEFF.	UP TO LEFT UP TO RIGHT	DOWN TO LEFT UP TO RIGHT
NEGATIVE COEFF.	DOWN TO LEFT DOWN TO RIGHT	UP TO LEFT DOWN TO RIGHT

#9 UP TO LEFT
DOWN TO RIGHT

$y = x^2$ $y = -x^2$ $y = x^3$ $y = -x^3$