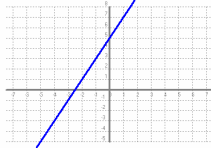

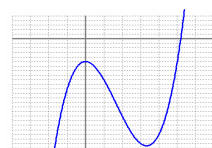
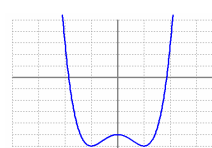
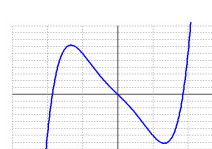
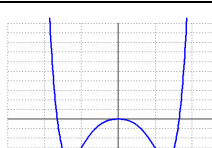

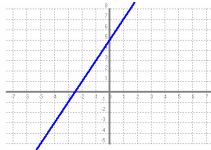
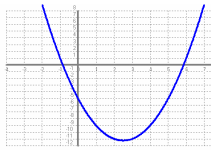

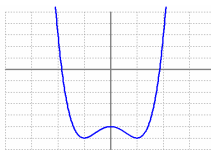
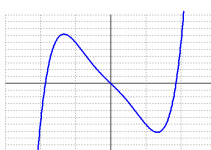
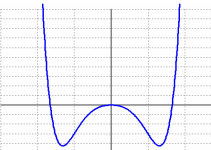



FUNCIONES POLINOMICAS: ANÁLISIS SEGÚN EL GRADO

Función	Derivada	2ª Derivada	Grado			Gráfica	Nombre posible de		
			y	y'	y''		Cortes OX	Máx.-mín	Pts. Inflex
$y = 2x + 5$	$y' = 2$	$y'' = 0$	1	0	0	 Recta	1	0	0
$y = x^2 - 5x - 5$	$y' = 2x - 5$	$y'' = 2$	2	1	0	 Parábola	2/0	1	0
$y = x^3 - 5x^2 - 5$	$y' = 3x^2 - 10x$	$y'' = 6x - 10$	3	2	1		3/1	2/0	1
$y = x^4 - 2x^2 - 5$	$y' = 4x^3 - 4x$	$y'' = 12x^2 - 4$	4	3	2		4/2	3/1	2/0
$y = x^5 - 2x^3 - 5x$	$y' = 5x^4 - 6x^2 - 5$	$y'' = 20x^3 - 12x - 5$	5	4	3		5/3 /1	4/2	3/1
$y = x^6 - 2x^4 - 2x^2$	$y' = 6x^5 - 8x^3 - 4x$	$y'' = 30x^4 - 24x^2 - 4$	6	5	4		6/4 /2	5/3/1	4/2
$y = x^7 - 2x^5 - 2x^4$	$y' = 7x^6 - 10x^4 - 8x^3$	$y'' = 42x^5 - 40x^3 - 24x^2$	7	6	5		7/5/ 3/1	6/4 /2	5/3 /1

FUNCIONS POLINÒMIQUES: ANÀLISI SEGONS EL GRAU

Funció	Derivada	2ª Derivada	Grau			Gràfica	Nombre possible de		
			y	y'	y''		Talls OX	Màx.-mín	Pts. d'inflex
$y = 2x + 5$	$y' = 2$	$y'' = 0$	1	0	0	 Recta	1	0	0
$y = x^2 - 5x - 5$	$y' = 2x - 5$	$y'' = 2$	2	1	0	 Paràbola	2/0	1	0
$y = x^3 - 5x^2 - 5$	$y' = 3x^2 - 10x$	$y'' = 6x - 10$	3	2	1		3/1	2/0	1
$y = x^4 - 2x^2 - 5$	$y' = 4x^3 - 4x$	$y'' = 12x^2 - 4$	4	3	2		4/2	3/1	2/0
$y = x^5 - 2x^3 - 5x$	$y' = 5x^4 - 6x^2 - 5$	$y'' = 20x^3 - 12x - 5$	5	4	3		5/3 /1	4/2	3/1
$y = x^6 - 2x^4 - 2x^2$	$y' = 6x^5 - 8x^3 - 4x$	$y'' = 30x^4 - 24x^2 - 4$	6	5	4		6/4 /2	5/3/1	4/2
$y = x^7 - 2x^5 - 2x^4$	$y' = 7x^6 - 10x^4 - 8x^3$	$y'' = 42x^5 - 40x^3 - 24x^2$	7	6	5		7/5/ 3/1	6/4 /2	5/3 /1