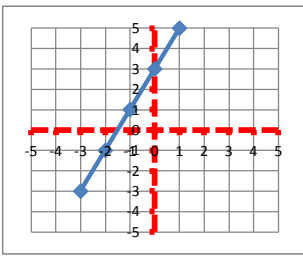
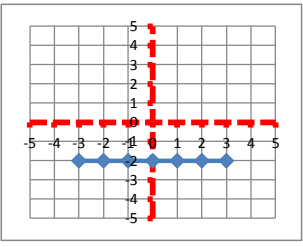
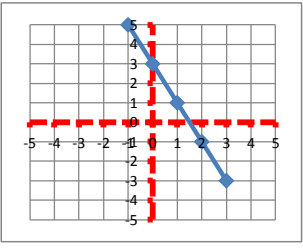
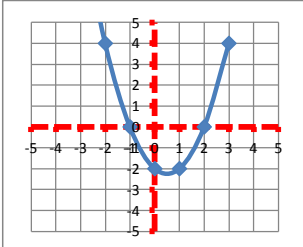
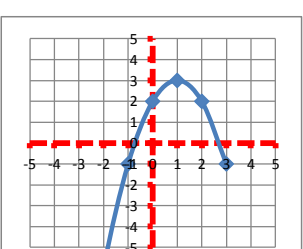
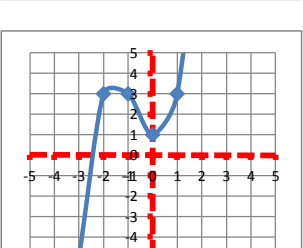
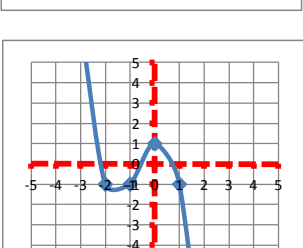


FUNZIONI POLINOMIALI - DOMINIO e CODOMINIO

A Cura di Enzo Exposito

I grafici sono approssimati

FUNZIONE	a	Grafico	Dominio	CoDominio
Retta	$a > 0$		$D = \mathbb{R}$ $D =]-\infty; +\infty[$ $D = (-\infty; +\infty)$	$CD = \mathbb{R}$ $CD =]-\infty; +\infty[$ $CD = (-\infty; +\infty)$
$y = a \cdot x + b$				
$y = 2 \cdot x + 3$				
Retta	$a = 0$		$D = \mathbb{R}$ $D =]-\infty; +\infty[$ $D = (-\infty; +\infty)$	$CD = \{b\}$ $b = -2$
$y = a \cdot x + b$				
$y = 0 \cdot x + -2$				
Retta	$a < 0$		$D = \mathbb{R}$ $D =]-\infty; +\infty[$ $D = (-\infty; +\infty)$	$CD = \mathbb{R}$ $CD =]-\infty; +\infty[$ $CD = (-\infty; +\infty)$
$y = a \cdot x + b$				
$y = -2 \cdot x + 3$				
Parabola	$a > 0$		$D = \mathbb{R}$ $D =]-\infty; +\infty[$ $D = (-\infty; +\infty)$	$CD = [y_v; +\infty[$ $CD = [y_v; +\infty)$ $y_v = -2,25$
$y = a \cdot x^2 + b \cdot x + c$				
$y = 1 \cdot x^2 + -1 \cdot x + -2$				
Parabola	$a < 0$		$D = \mathbb{R}$ $D =]-\infty; +\infty[$ $D = (-\infty; +\infty)$	$CD =]-\infty; y_v]$ $CD = (-\infty; y_v]$ $y_v = 3,00$
$y = a \cdot x^2 + b \cdot x + c$				
$y = -1 \cdot x^2 + 2 \cdot x + 2$				
Cubica	$a > 0$		$D = \mathbb{R}$ $D =]-\infty; +\infty[$ $D = (-\infty; +\infty)$	$CD = \mathbb{R}$ $CD =]-\infty; +\infty[$ $CD = (-\infty; +\infty)$
$y = a \cdot x^3 + b \cdot x^2 + c \cdot x + d$				
$y = 1 \cdot x^3 + 2 \cdot x^2 + -1 \cdot x + 1$				
Cubica	$a < 0$		$D = \mathbb{R}$ $D =]-\infty; +\infty[$ $D = (-\infty; +\infty)$	$CD = \mathbb{R}$ $CD =]-\infty; +\infty[$ $CD = (-\infty; +\infty)$
$y = a \cdot x^3 + b \cdot x^2 + c \cdot x + d$				
$y = -1 \cdot x^3 + -2 \cdot x^2 + 1 \cdot x + 1$				

FUNZIONE	a	Grafico	Dominio	CoDominio
<p>Quartica</p> <p>$y = a x^4 + b x^3 + c x^2 + d x + e$</p> <p>$y = 1 x^4 + 2 x^3 - 1 x^2 - 1 x + 1$</p>	<p>$a > 0$</p>		<p>D= R</p> <p>D= $]-\infty; +\infty[$</p> <p>D= $(-\infty; +\infty)$</p>	<p>CD= $[y_{\min}; +\infty[$</p> <p>CD= $[y_{\min}; +\infty)$</p> <p>$y_{\min} \cong -1,00$</p>
<p>Quartica</p> <p>$y = a x^4 + b x^3 + c x^2 + d x + e$</p> <p>$y = -1 x^4 - 2 x^3 + 1 x^2 + 1 x + 2$</p>	<p>$a < 0$</p>		<p>D= R</p> <p>D= $]-\infty; +\infty[$</p> <p>D= $(-\infty; +\infty)$</p>	<p>CD= $]-\infty; y_{\max}]$</p> <p>CD= $(-\infty; y_{\max}]$</p> <p>$y_{\max} \cong 4,00$</p>
<p>Quintica</p> <p>$y = a x^5 + b x^4 + c x^3 + d x^2 + e x + f$</p> <p>$y = 1 x^5 + 2 x^4 - 1 x^3 - 1 x^2 + 1 x + 1$</p>	<p>$a > 0$</p>		<p>D= R</p> <p>D= $]-\infty; +\infty[$</p> <p>D= $(-\infty; +\infty)$</p>	<p>CD= R</p> <p>CD= $]-\infty; +\infty[$</p> <p>CD= $(-\infty; +\infty)$</p>
<p>Quintica</p> <p>$y = a x^5 + b x^4 + c x^3 + d x^2 + e x + f$</p> <p>$y = -1 x^5 - 2 x^4 + 1 x^3 + 1 x^2 - 1 x - 1$</p>	<p>$a < 0$</p>		<p>D= R</p> <p>D= $]-\infty; +\infty[$</p> <p>D= $(-\infty; +\infty)$</p>	<p>CD= R</p> <p>CD= $]-\infty; +\infty[$</p> <p>CD= $(-\infty; +\infty)$</p>
<p>Sestica</p> <p>$y = a x^6 + b x^5 + c x^4 + d x^3 + e x^2 + f x + g$</p> <p>$y = 1 x^6 + 1 x^5 - 1 x^4 + 1 x^3 - 1 x^2 + 2 x + 1$</p>	<p>$a > 0$</p>		<p>D= R</p> <p>D= $]-\infty; +\infty[$</p> <p>D= $(-\infty; +\infty)$</p>	<p>CD= $[y_{\min}; +\infty[$</p> <p>CD= $[y_{\min}; +\infty)$</p> <p>$y_{\min} \cong -4,00$</p>
<p>Sestica</p> <p>$y = a x^6 + b x^5 + c x^4 + d x^3 + e x^2 + f x + g$</p> <p>$y = -1 x^6 - 1 x^5 + 1 x^4 - 1 x^3 + 1 x^2 - 1 x - 1$</p>	<p>$a < 0$</p>		<p>D= R</p> <p>D= $]-\infty; +\infty[$</p> <p>D= $(-\infty; +\infty)$</p>	<p>CD= $]-\infty; y_{\max}]$</p> <p>CD= $(-\infty; y_{\max}]$</p> <p>$y_{\max} \cong 3,00$</p>