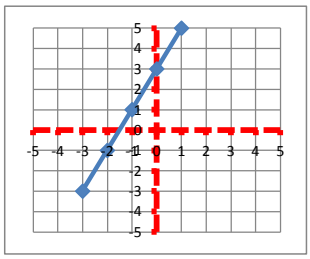
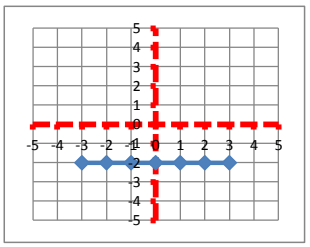
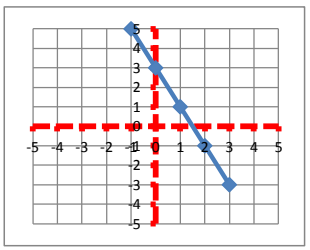
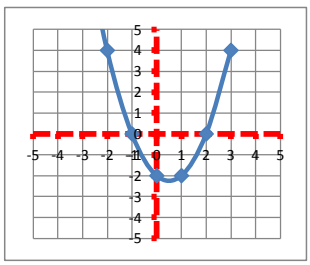
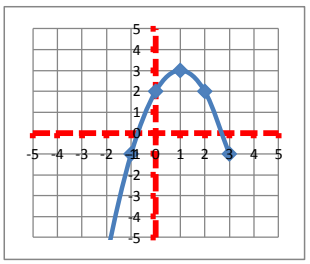
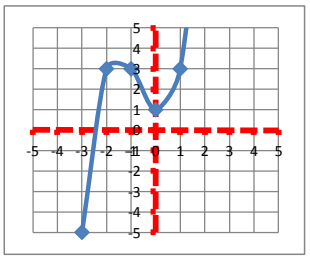
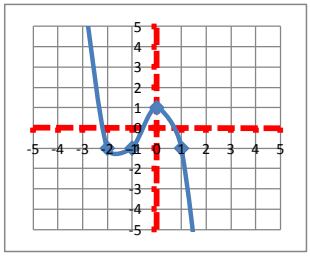
FUNZIONI POLINOMIALI - DOMINIO e CODOMINIO

A Cura di Enzo Exposyto

I grafici sono approssimati

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

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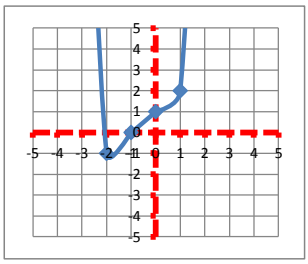
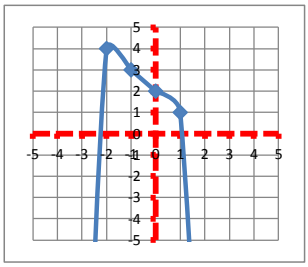
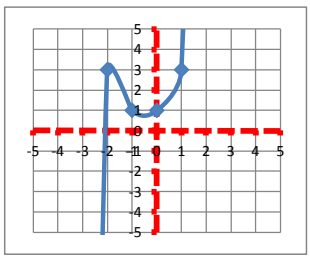
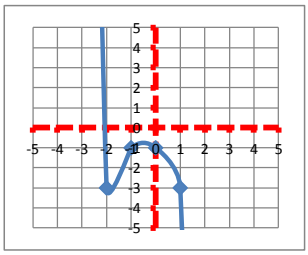
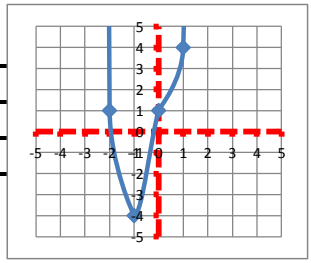
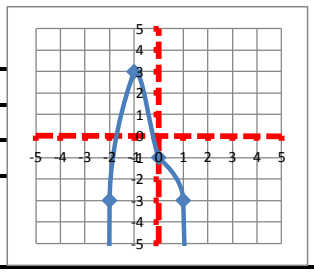
FUNZIONE	a	Grafico	Dominio	CoDominio
Quartica	a > 0		D= R D=]-∞;+∞[D= (-∞;+∞)	CD= [y_{min};+∞[CD= [y_{min};+∞) y_{min}≅ -1,00
$y= a*x^4+ b*x^3+ c*x^2+ d*x+ e$				
$y= 1*x^4+ 2*x^3+ -1*x^2+ -1*x+ 1$				
Quartica	a < 0		D= R D=]-∞;+∞[D= (-∞;+∞)	CD=]-∞;y_{max}] CD= (-∞;y_{max}] y_{max}≅ 4,00
$y= a*x^4+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

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