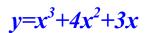
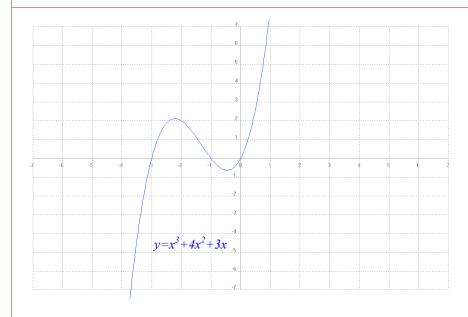


#### 2- EJERCICIOS RESUELTOS

## FUNCIONES POLINÓMICAS: EJERCICIOS RESUELTOS





**Raíces:** 0, -3, -1

**Máximos:** (-2'225, 2'112)

**Mínimos:** (-0'45, -0'6311)

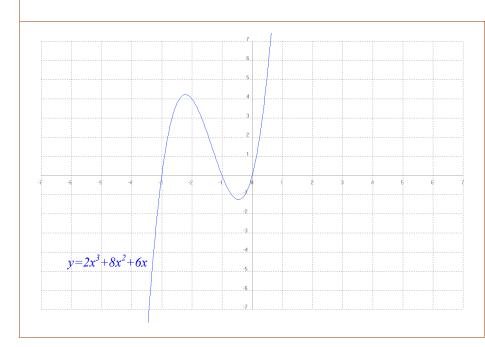
Punto de inflexión:

(-1'35, 0'7796)

$$y' = 3x^2 + 8x + 3$$

Yasmina Perea 2º A Bach - 07/08

$$y=2x^3+8x^2+6x$$



Máximos: (-2'2167,

4'2252)

**Mínimos:** (-0'443, -1,26)

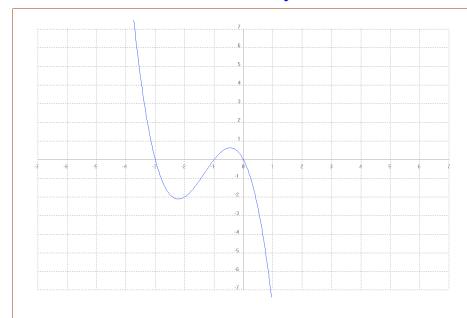
Punto de inflexión:

(-1'353, 1'574797)

 $y' = 6x^2 + 16x + 6$ 

Yasmina Perea 2º A Bach - 07/08

# $y=-x^3-4x^2-3x$



**Máximos:** (-0'443, 0'630957)

**Mínimos:** (-2'2167, -2'1126)

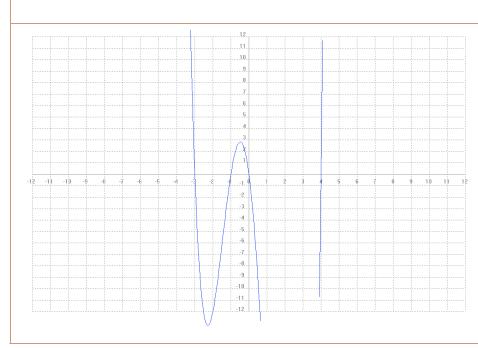
**Punto de inflexión:** (-1'36, -0'803)

$$y' = -3x^2 - 8x - 3$$

**Yasmina Perea** 

2º A Bach - 07/08





**Máximos:** (-0'48, 2'8178)

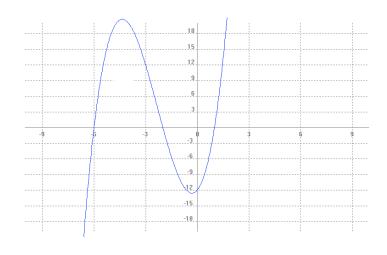
**Mínimos:** (-2'28, -13'1958) y (2'76, -74'12097)

**Puntos de inflexión:** (-1'475, -8'85) y (1'45, -40,31)

 $y' = 4x^3 - 26x - 12$ 

Yasmina Perea 2º A Bach - 07/08

$$y = x^3 + 7x^2 + 4x - 12$$



Raíces:  $(x+6)\cdot(x+2)\cdot(x-1)$ 

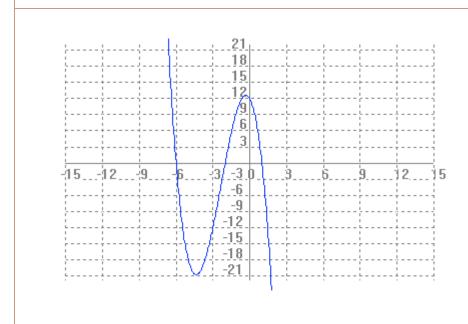
Derivada:  $y' = 3x^2 + 14x + 4$ 

Máximos: (-4.37 , 20.7) Mínimos: (0.3 , -12.6)

#### **Aitor Boiza**

2º A Bach - 07/08

$$y = -x^3 - 7x^2 - 4x + 12$$



Raíces:  $(x+6)\cdot(x+2)\cdot(x-1)$ 

Derivada:

 $y' = -3x^2 - 14x - 4$ 

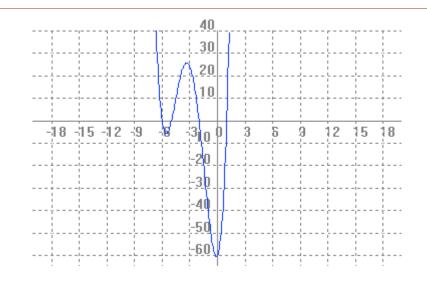
Máximos: (-0.3, 12.6)

Mínimos: (-4.35, -20.74)

**Aitor Boiza** 

2º A Bach - 07/08

$$y = x^4 + 12x^3 + 39x^2 + 8x - 60$$



Raíces: -6, -5, -2, 1

 $y = (x+6)\cdot(x+5)\cdot(x+2)\cdot(x-1)$ 

Derivada:

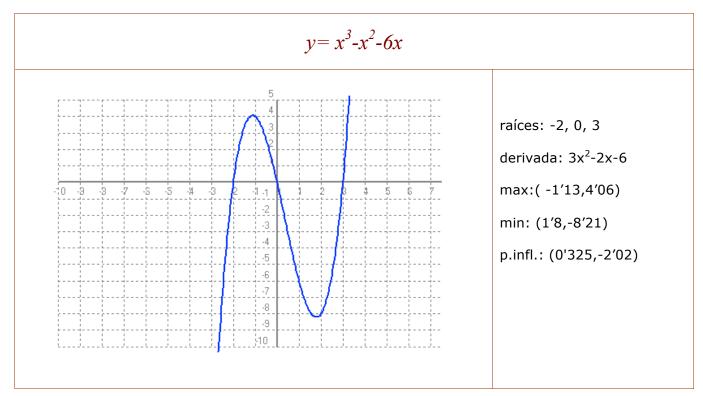
 $y' = 4x^2 + 36x^2 + 78x + 8$ 

Máximos: (-3.33, 25.67)

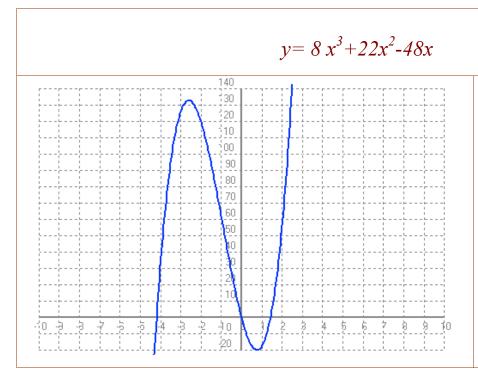
Mínimos: (-5.53, -5.74)

(-0.13, -60.4)

Aitor Boiza 2º A Bach - 07/08



Espe Puerta 2º A Bach - 07/08



raíces: 4'18,0,1'45

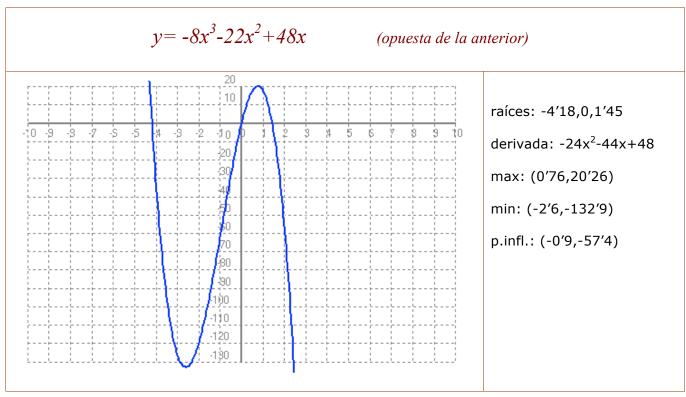
derivada:  $24x^2 + 44x - 48$ 

max: (-2'6,132'9)

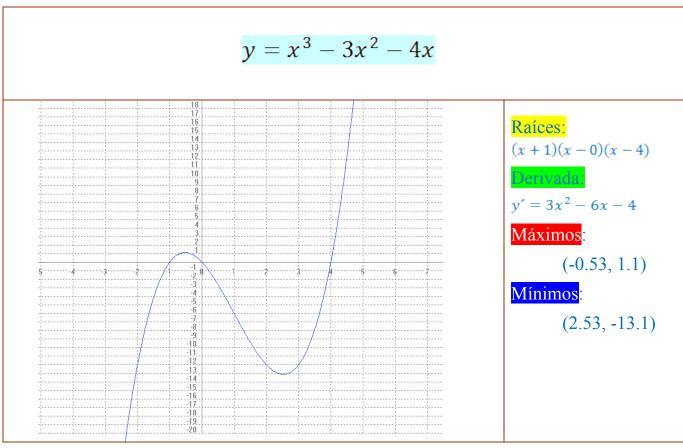
min: (0'77,-20'26)

p. infl.: (-0'93, 57'4)

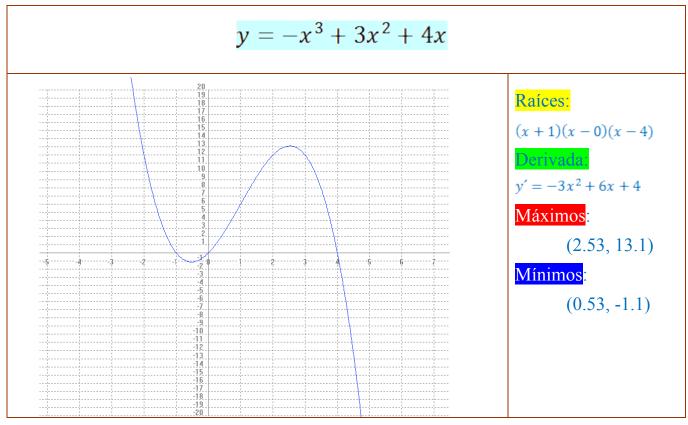
Espe Puerta 2º A Bach - 07/08



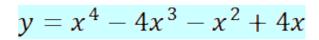
Espe Puerta 2º A Bach - 07/08

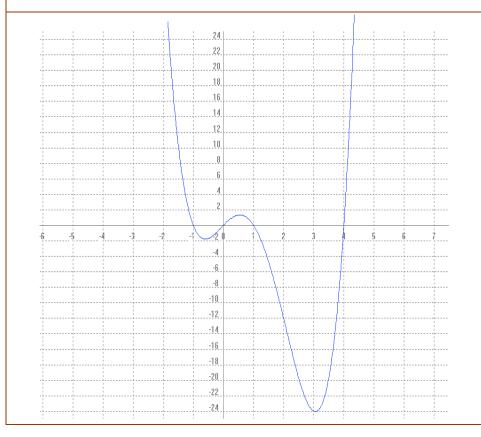


Manuel Rodríguez 2º A Bach - 07/08



Manuel Rodríguez 2º A Bach - 07/08





#### Raíces:

$$(x+1)(x-0)(x-1)(x-4)$$

#### Derivada:

$$y' = 4x^3 - 12x^2 - 2x + 4$$

#### Máximos:

(0.55, 1.3)

### Mínimos:

**Manuel Rodríguez** 

2º A Bach - 07/08