

De las siguientes parábolas, halla el vértice, los cortes con los ejes y haz un esbozo de su gráfica.

a) $y = x^2 - 6x + 8$

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

c) $y = -x^2 - 4x - 3$

d) $y = x^2 - 4x + 7$

e) $y = x^2 - 6x$

f) $y = x^2 + x + 1$

g) $y = 3x^2 + 15x + 18$

h) $y = -x^2 - 2x - 2$

i) $y = x^2 + 2x - 1$

j) $y = x^2 - 4$

k) $y = x^2 + 4$

l) $y = x^2 + 4x + 5$

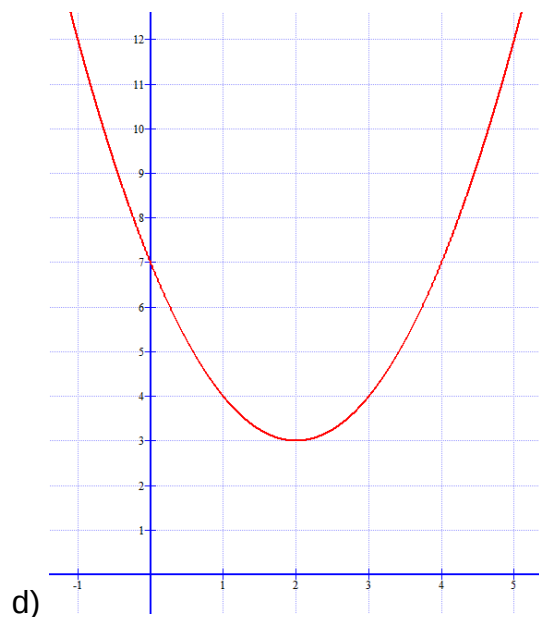
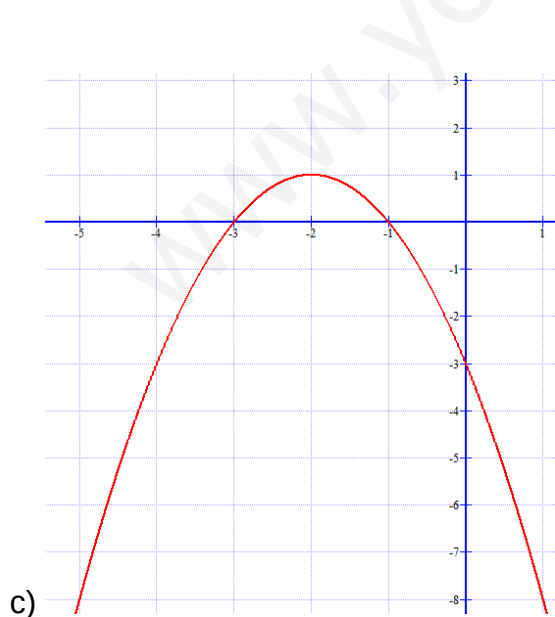
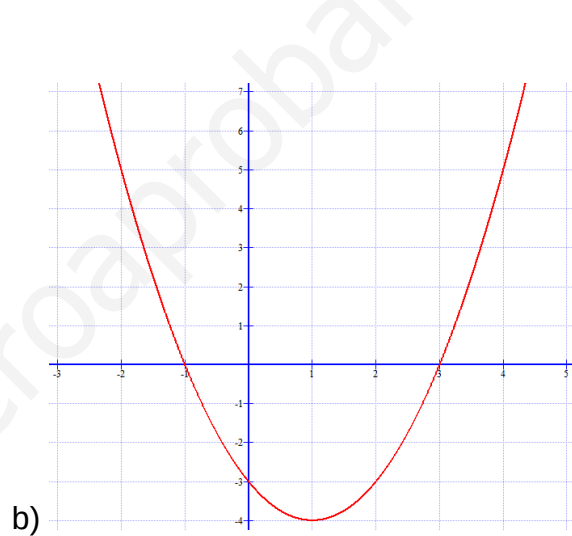
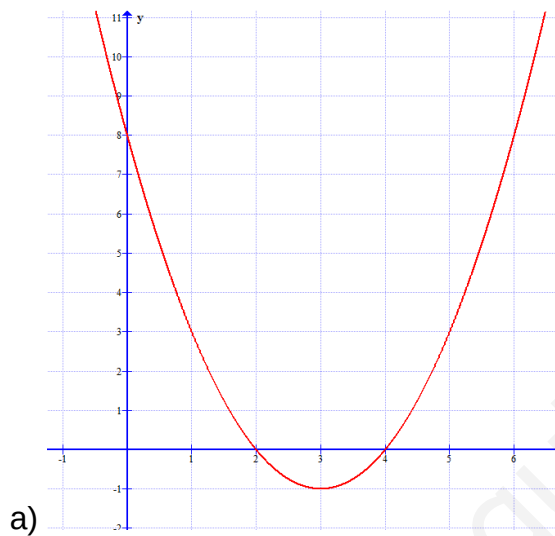
m) $y = x^2 + 4x + 3$

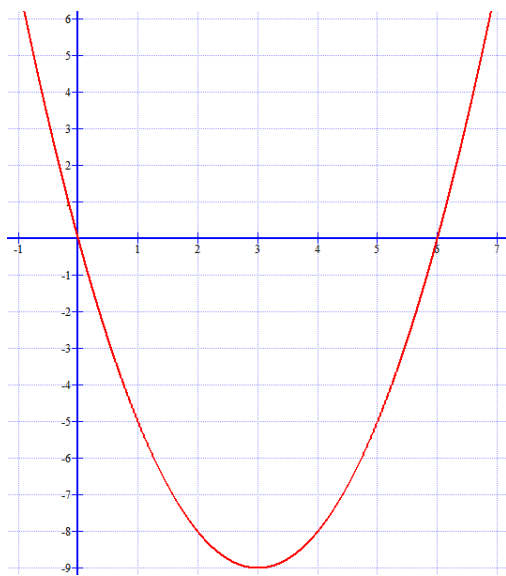
n) $y = -x^2 - 8x - 4$

o) $y = 2x^2 + 4x + 6$

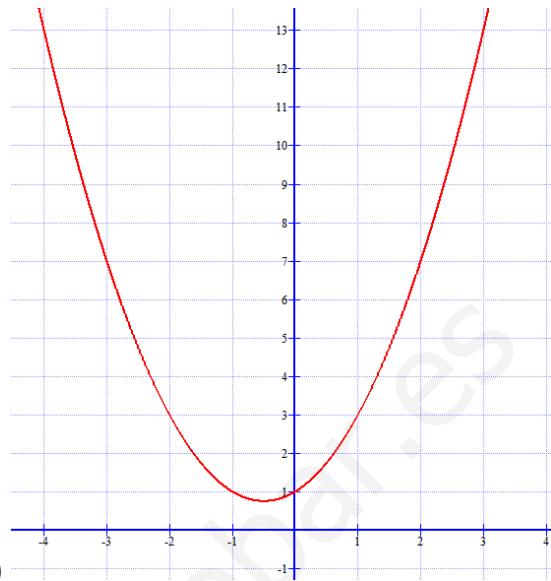
p) $y = -x^2 - 1$

Solución:

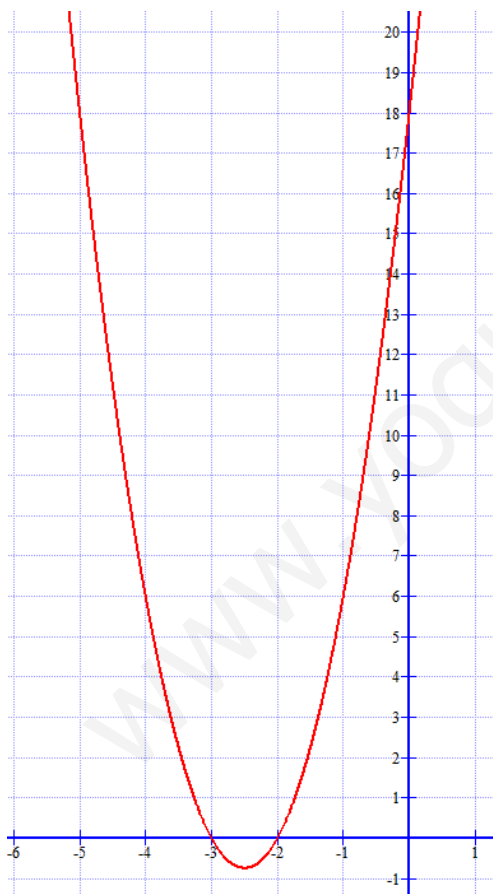




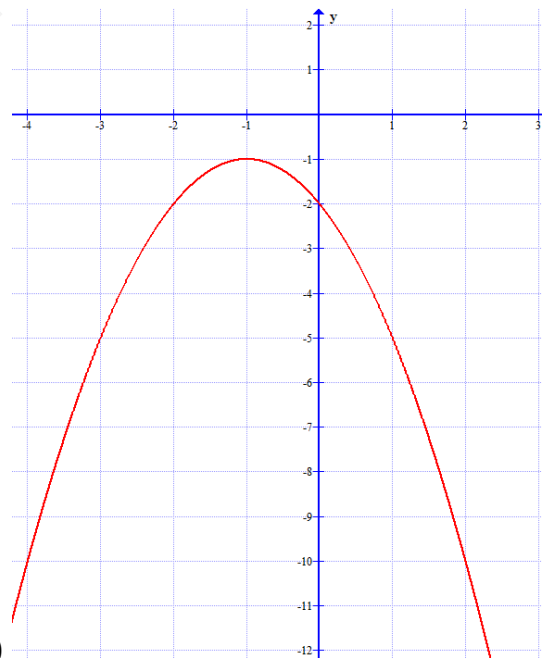
e)



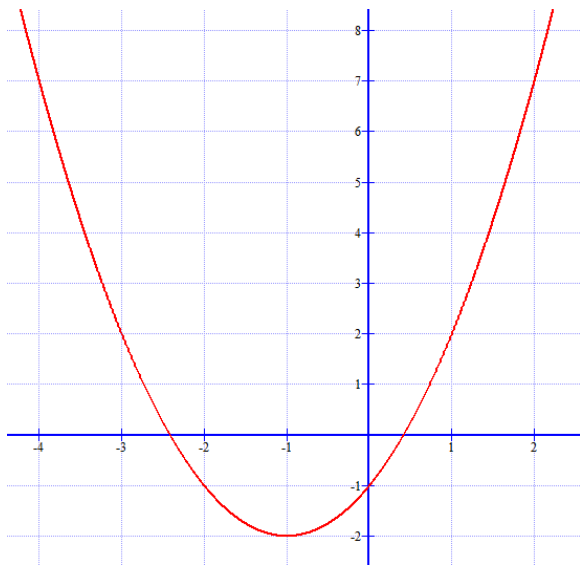
f)



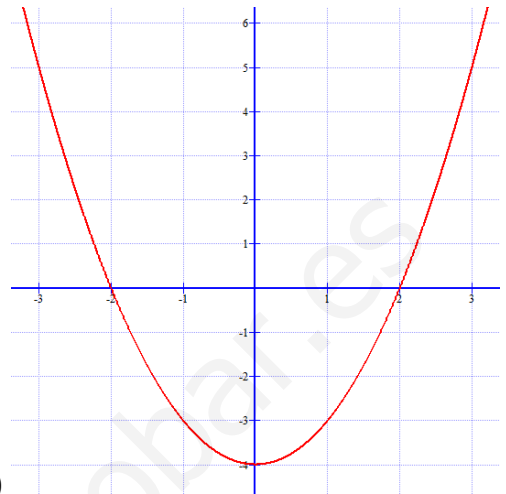
g)



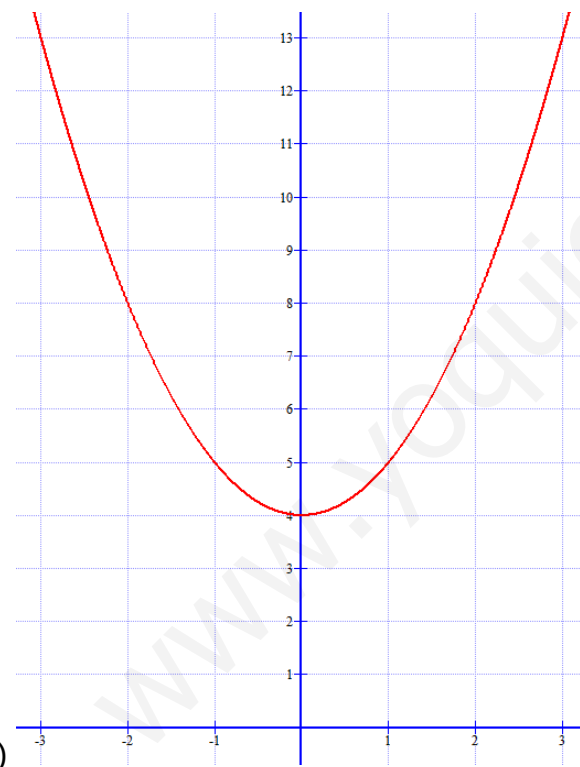
h)



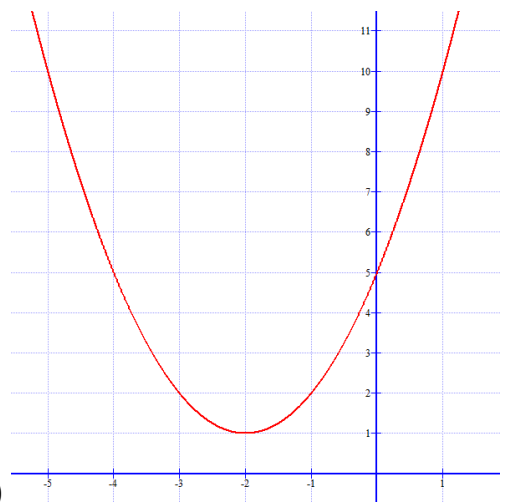
i)



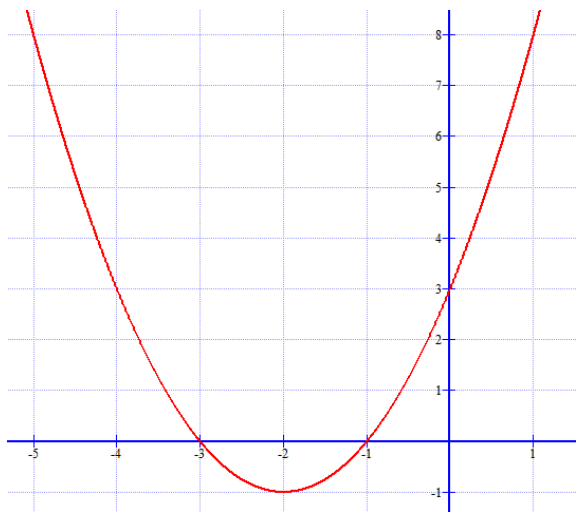
j)



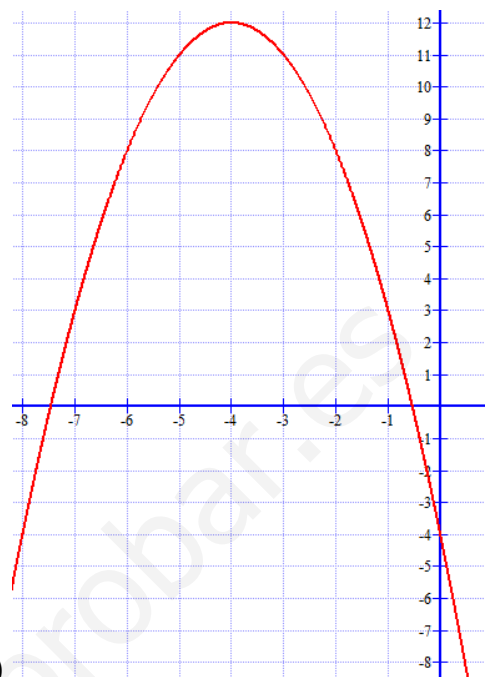
k)



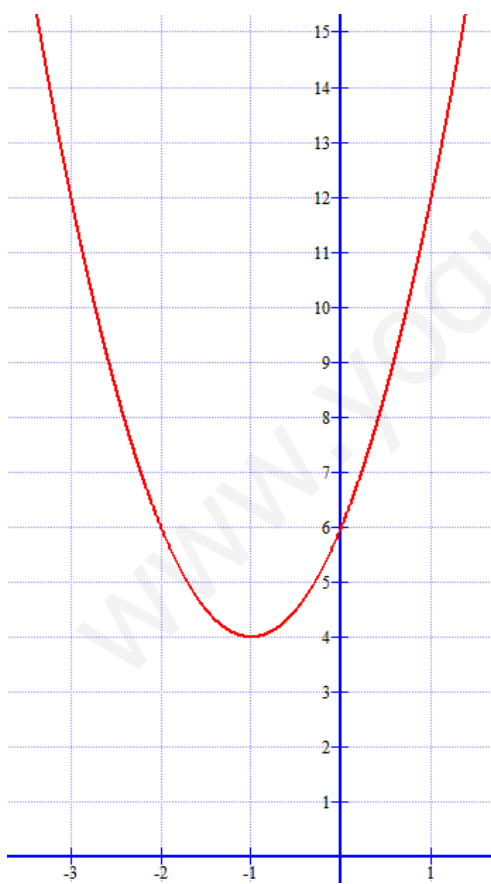
l)



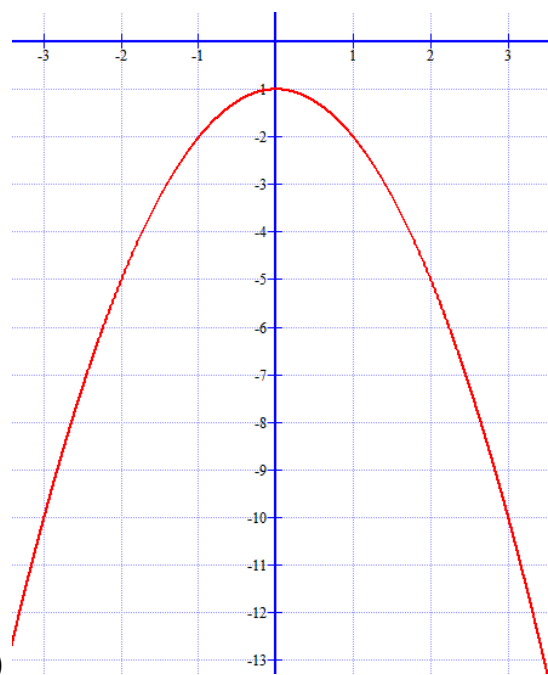
m)



n)



o)



p)