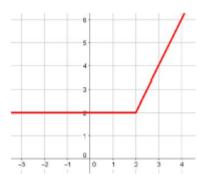
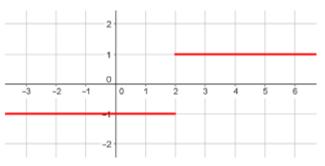
MATEMÁTICAS -II SOLUCIONES A LOS EJERCICIOS DEL TEMA 11. GRÁFICAS

Páginas 296, 297 y 298

2.- a)
$$f(x) = \begin{cases} 2 & \text{Si } x \le 2 \\ 2x - 2 & \text{Si } x > 2 \end{cases}$$

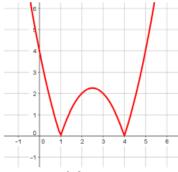
b)
$$f(x) = \begin{cases} -1 & Si \ x < 2 \\ 1 & Si \ x \ge 2 \end{cases}$$

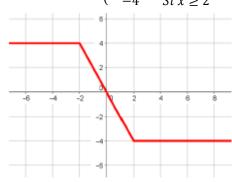




c)
$$f(x) = \begin{cases} x^2 - 5x + 4 & Si \ x \le 1 \\ -x^2 + 5x - 4 & Si \ 1 < x \le 4 \\ x^2 - 5x + 4 & Si \ x > 4 \end{cases}$$

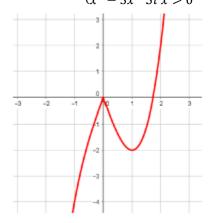
d)
$$f(x) = \begin{cases} 4 & Si \ x \le -2 \\ -2x & Si - 2 < x \le 2 \\ -4 & Si \ x \ge 2 \end{cases}$$

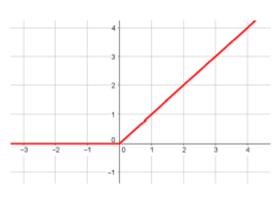




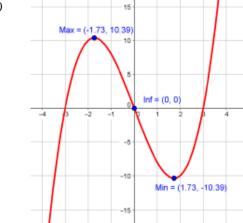
e)
$$f(x) = \begin{cases} x^3 + 3x & Si \ x \le 0 \\ x^3 - 3x & Si \ x > 0 \end{cases}$$

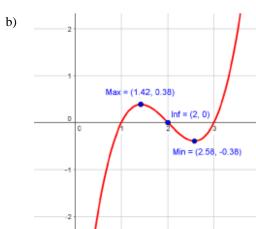
f)
$$f(x) = \begin{cases} 0 & Si \ x \le 0 \\ x & Si \ x > 0 \end{cases}$$



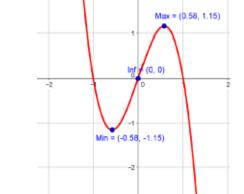


3.- a)

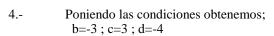




c)



4.-

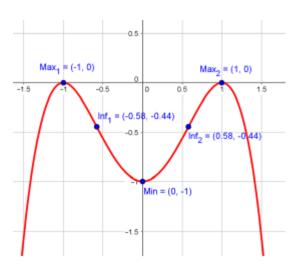


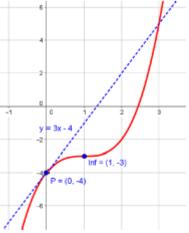
y la función quedará:

$$f(x) = x^3 - 3x^2 + 3x - 4.$$

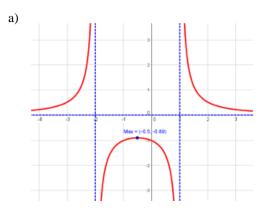
La gráfica será como la siguiente:

f)

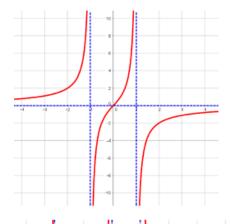




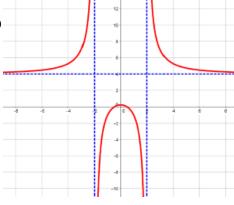
5.-



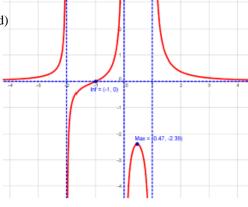
b)

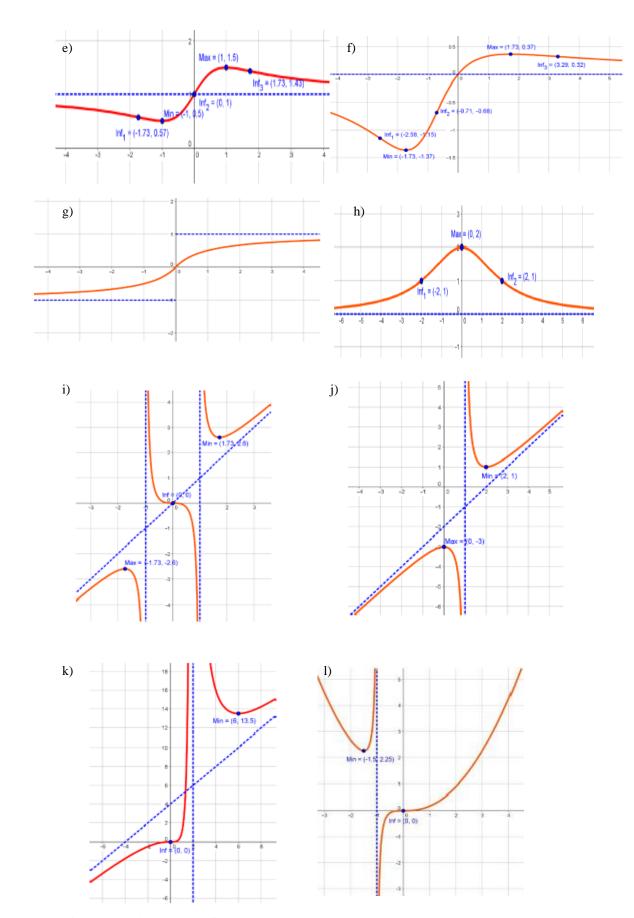


c)



d)





6.- Tiene que ser k=-1 y la gráfica corta a la asíntota en el punto P(2/3,8/3)

