

Nombre y apellidos:

Curso de matemáticas:

Fecha:

Representació de Funcions

- 1.** Representa les funcions. Calcula el vèrtex, alguns punts propers a aquest y els punts de tall amb els eixos.

a. $f(x) = x^2 + 5x + 6$

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

x					
y					

x					
y					

- 2.** Representa les funcions.

a. $f(x) = \frac{3}{x+1}$

b. $f(x) = \frac{2}{x-2}$

x							
y							

x							
y							

- 3.** Representa les funcions.

a. $f(x) = \sqrt{x-5}$

b. $f(x) = \sqrt{x+5}$

x				
y				

x				
y				

4. Representa les funcions.

a. $f(x) = 2^x$

x				
y				

b. $f(x) = \left(\frac{1}{2}\right)^x$

x				
y				

5. Representa les funcions.

a. $f(x) = \log_2 x$

x				
y				

b. $f(x) = \log_5 x$

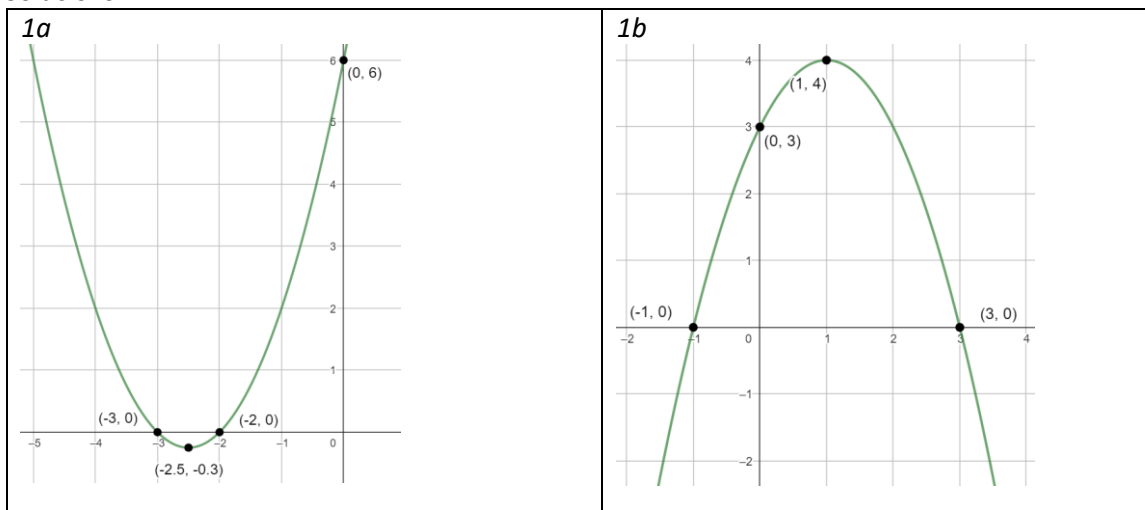
x				
y				

6. Representa les funcions.

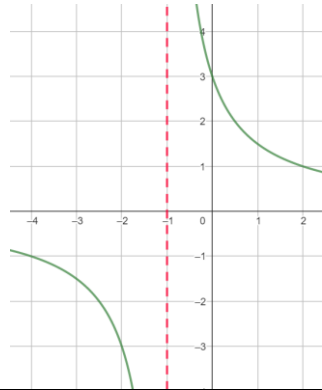
a. $f(x) = \begin{cases} -3x - 2 & -3 \leq x \leq 0 \\ x^2 - 2x - 2 & 0 < x < 3 \\ 3 & 3 \leq x \leq 6 \end{cases}$

b. $f(x) = \begin{cases} 1 & x < -1 \\ 2 - x^2 & -1 \leq x \leq 2 \\ x - 2 & x > 2 \end{cases}$

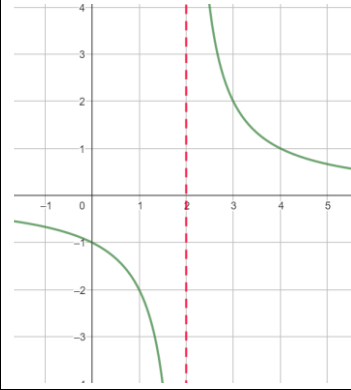
Solucions:



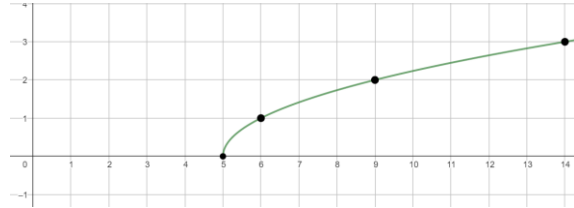
2a



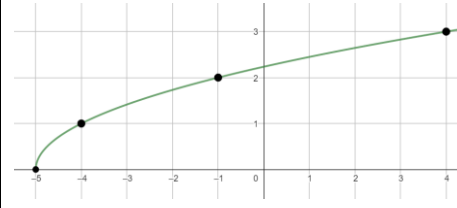
2b



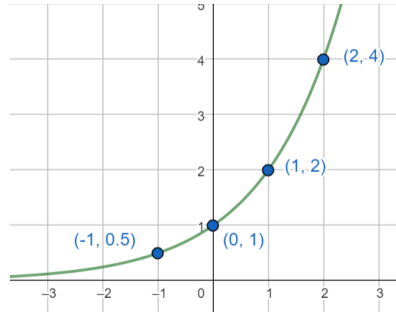
3a



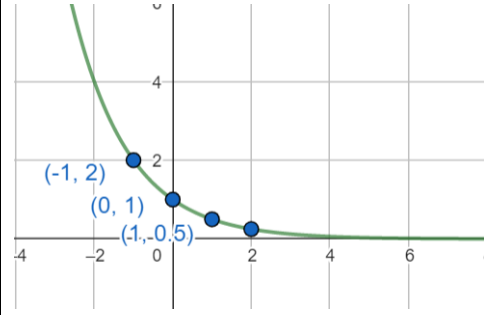
3b



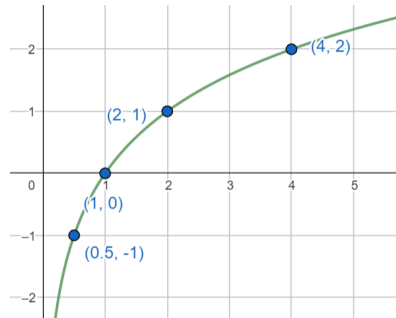
4a



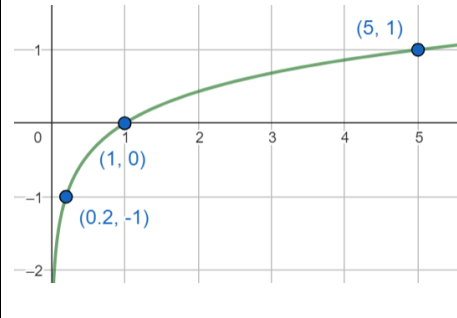
4b



5a



5b



6a



6b

