



TEMA: Función logarítmica

APORTE: Trabajo en grupo # 1

FECHA: _____

INTEGRANTES: _____

Determina el dominio de las siguientes funciones logarítmicas.

13. $y = \text{Log}_3 (x + 2)$

14. $f(x) = \text{Log}_5 (x - 5)$

15. $y = 3 + \text{Log}_3 (x + 1)$

16. $f(x) = \text{Log}_3 (1 - x)$

17. $g(x) = \text{Log}_2 (2x - 2)$

18. $h(x) = \text{Log}_7 (3x + 5)$

19. $y = \text{Log} \left(\frac{1}{2} x \right)$

20. $g(x) = \text{Log}_2 (5x + 1)$

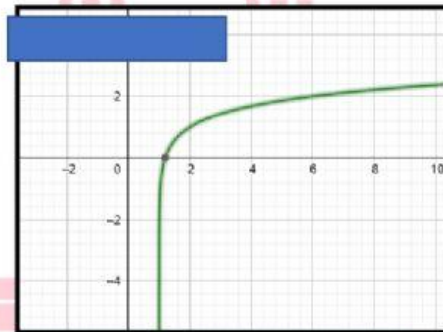
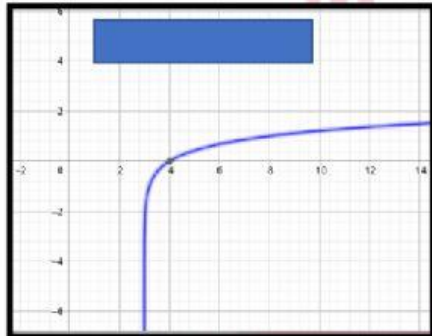
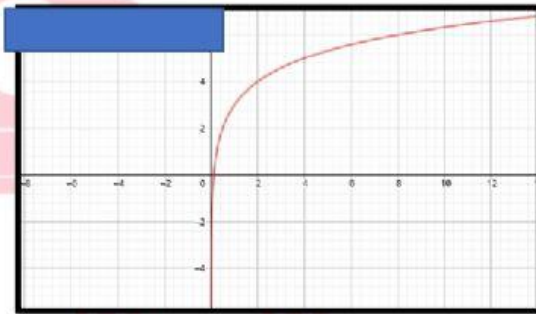
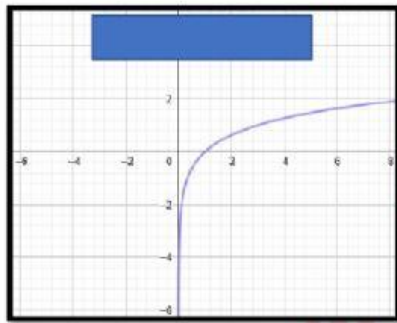
21. $h(x) = \text{Log}_5 (x^3 - 1)$

22. $y = \text{Log} \left(\frac{6x + 2}{5} \right)$

Respuesta	Intervalo
A	$\text{Dom} =] - 2, +\infty[$
B	$\text{Dom} =] - 1, +\infty[$
C	$\text{Dom} =]0, +\infty[$
D	$\text{Dom} =] - \frac{1}{3}, +\infty[$
E	$\text{Dom} =] - \frac{1}{5}, +\infty[$
F	$\text{Dom} =]5, +\infty[$
G	$\text{Dom} =] - \frac{5}{3}, +\infty[$
H	$\text{Dom} =] - \infty, 1[$
I	$\text{Dom} =]1, +\infty[$



Determine el las funciones de las siguientes graficas



$$f(x) = \text{Log}_3 x$$

$$y = 3 + \text{Log}_2 x$$

$$g(x) = \text{Log}_5 (x - 3)$$

$$y = 1 - \text{Log}_{\frac{1}{5}} (x - 1)$$