

nome: Andressa Silva dos Santos  
 Prof: Luciane

## Tarefa Básica - Função Logarítmica

1) Faça um esboço do gráfico das funções definidas abaixo, indicando o domínio contra-domínio, imagem interceptos com os eixos e assintota.

a)  $y = \log_3$

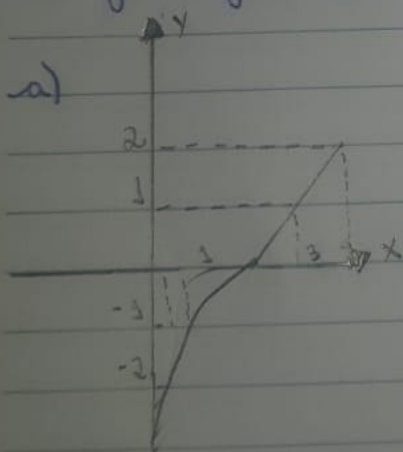
b)  $y = \log_{1/3} x$

c)  $y = \log_2(x+5)$

d)  $y = \log_2(x-7)$

e)  $y = \log_{1/4}(x+1)$

f)  $y = \log(5x-2)$



$D(f) = \mathbb{R}_+^*$

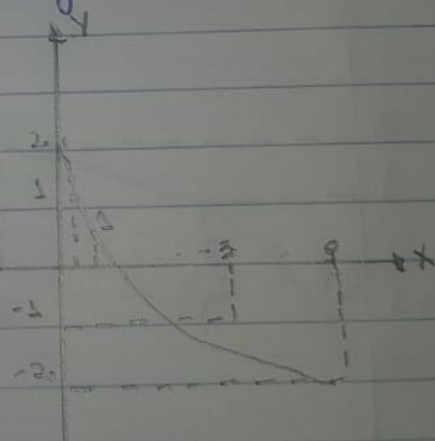
$CA(f) = \mathbb{R}$

$IM(f) = \mathbb{R}$

$(1; 0)$

assintota  $x=0$

b)



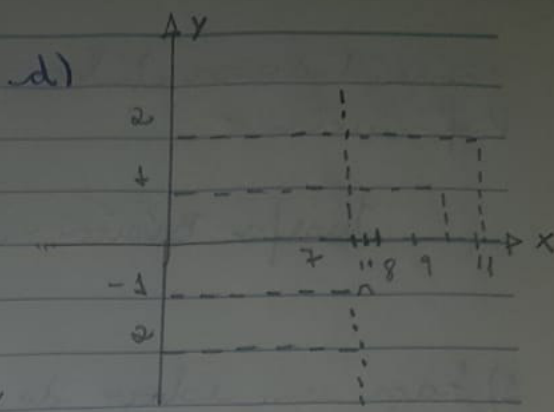
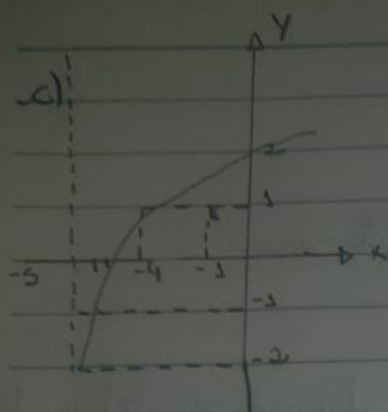
$D(f) = \mathbb{R}_+^*$

$CA(f) = \mathbb{R}$

$IM(f) = \mathbb{R}$

$(1; 0)$

assintota  $x=0$



$$D(f) = ]-5; +\infty[$$

$$C(f) = \mathbb{R}$$

$$IM(f) = \mathbb{R}$$

$$(-4; 0)$$

asintota  $x = -5$

