

RELATÓRIO DE RESOLUÇÕES

O código de cada membro pode ser consultado a seguir:

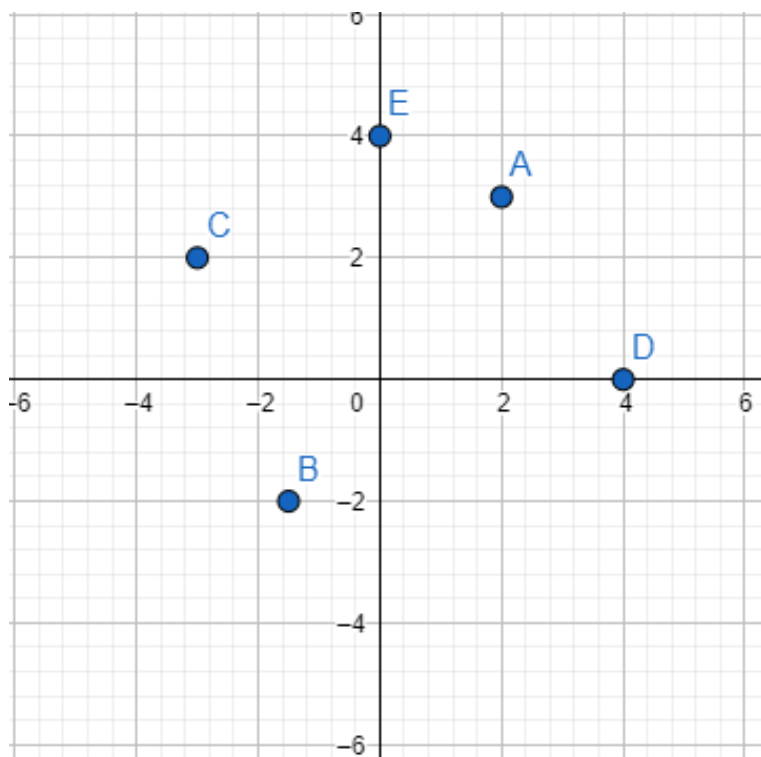
x_{05} : José Soares Jr.	x_{11} : Luca Monaco
x_{06} : Maurício Damiano	x_{15} : Rodrigo Melendez
x_{08} : Pedro Lopes Silva	x_{18} : Matheus Cardoso
x_{09} : Rafael Maddalena	x_{20} : Gustavo Zequini

Resolução (|| **Questão: 4.3.1** || **Relator: x_{20}** || **Revisor: x_{06}** ||)

Plot all the five points: $(2,3)$, $(-3,2)$, $(-3/2,-2)$, $(4,0)$ and $(0,4)$ in one coordinate system.

Nomeando os pontos:

- (A) $(2,3)$
- (B) $(-3/2,-2)$
- (C) $(-3,2)$
- (D) $(4,0)$
- (E) $(0,4)$



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Resolução (|| **Questão: 4.3.2** || **Relator: x_{05}** || **Revisor: x_{09}** ||)

O gráfico da função f é dado pela figura:

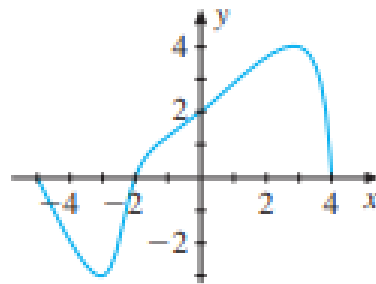


Figure 4.3.11 Exercise 2

a) Ache $f(-5)$, $f(-3)$, $f(-2)$, $f(0)$, $f(3)$ e $f(4)$ examinando o gráfico:

$$\begin{aligned} f(-5) &= 0 \\ f(-3) &= -3 \\ f(-2) &= 0 \\ f(0) &= 2 \\ f(3) &= 4 \\ f(4) &= 0 \end{aligned}$$

b) Determine o domínio e a imagem de f :

$$\begin{aligned} D_f &= [-5; 4] \\ Im_f &= [-3; 4] \end{aligned}$$

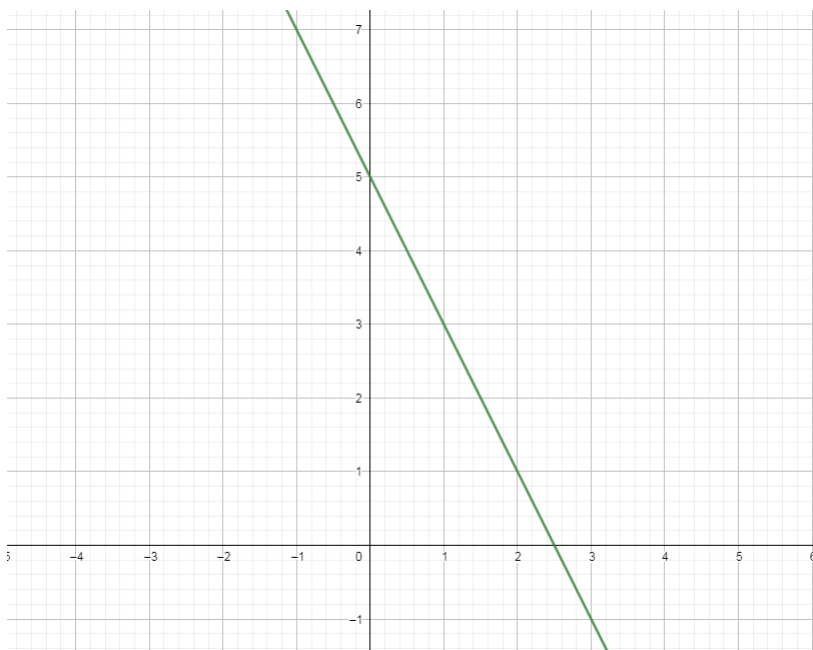
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Resolução (|| Questão: 4.3.3 || Relator: x₀₆ || Revisor: x₁₁ ||)

3. Fill the tables and draw the graphs of the following functions

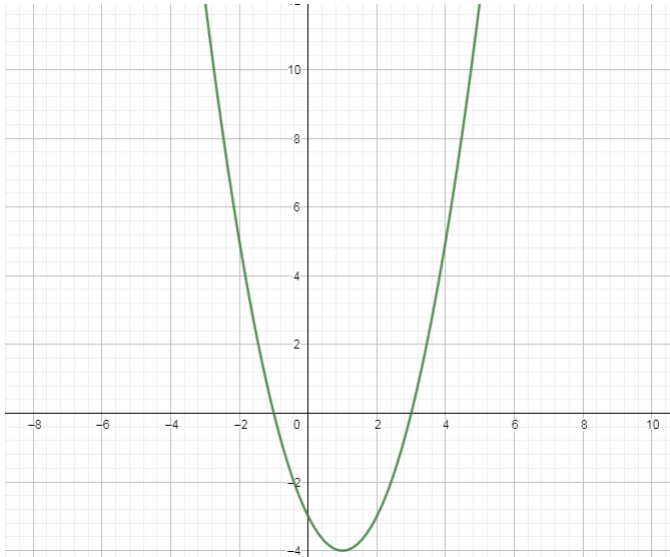
a)

x	0	1	2	3	4
$g(x) = -2x + 5$	5	3	1	-1	-3



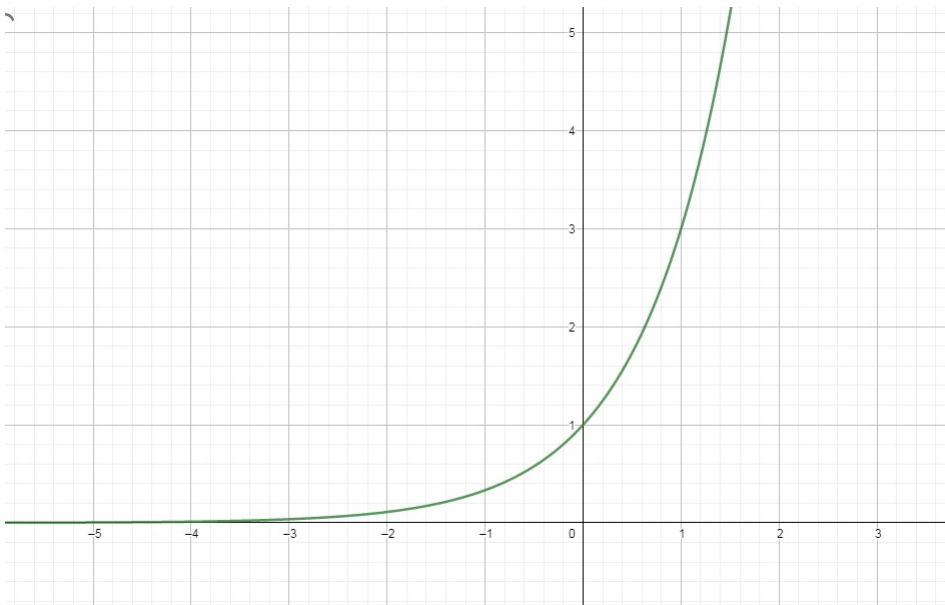
b)

x	-2	-1	0	1	2	3	4
$h(x) = x^2 - 2x - 3$	5	0	-3	-4	-3	0	5



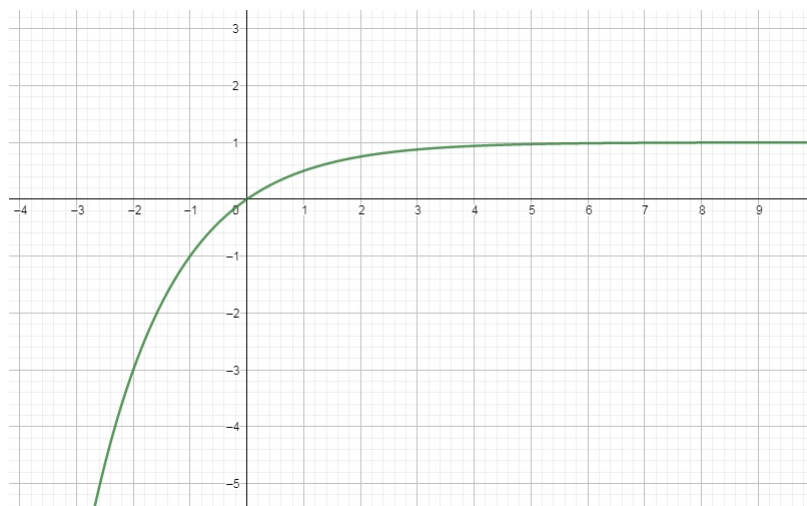
c)

x	-2	-1	0	1	2
$F(x) = 3^x$	1/9	1/3	1	3	9



d)

x	-2	-1	0	1	2	3
$G(x) = 1 - 2^{-x}$	-3	-1	0	1/2	3/4	7/8



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