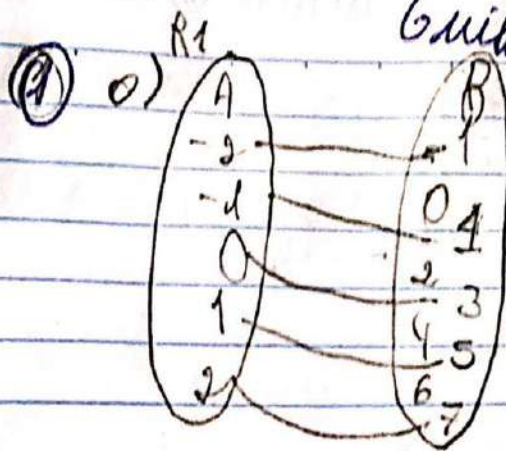


data

S T Q O S S S

Guilherme Amorato



$$Y = 2x + 3 + 3$$

$$Y = 2(-2) + 3 = -1$$

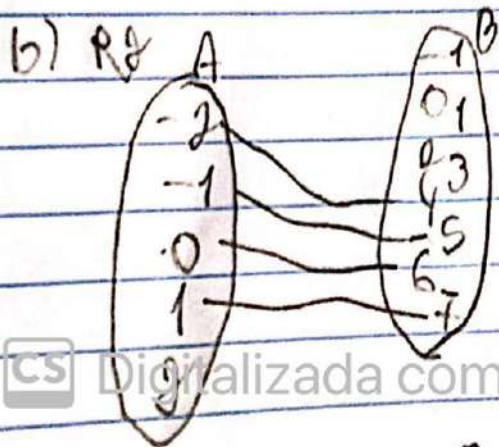
$$Y = 2(-1) + 3 = 1$$

$$Y = 2(0) + 3 = 3$$

$$Y = 2(1) + 3 = 5$$

$$Y = 2(2) + 3 = 7$$

E pontos



$$Y = X + 6$$

$$Y = -2 + 6 = 4$$

$$Y = -1 + 6 = 5$$

$$Y = 0 + 6 = 6$$

$$Y = 1 + 6 = 7$$

$$Y = 2 + 6 = 8$$

mas é pontos

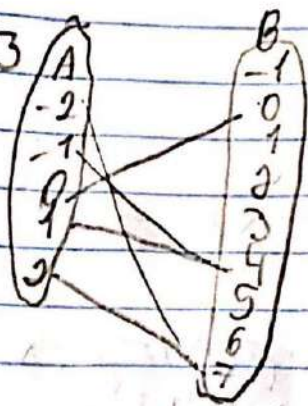
2)

2

$$1 = 1 + 6 = 7$$

$$Y = 2 + 6 = 8$$

C) R3



$$Y = X^2 + 3$$

$$-2^2 + 3 = 7$$

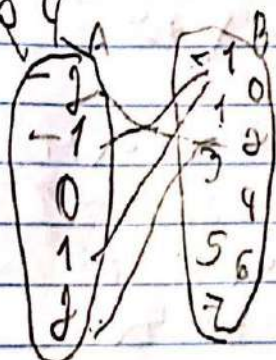
$$-1^2 + 3 = 2$$

$$0^2 + 3 = 3$$

$$1^2 + 3 = 4$$

$$2^2 + 3 = 7$$

d) R4



$$Y = X^2 - 2$$

$$Y = -2^2 - 2 = 2$$

$$Y = -1^2 - 2 = -1$$

$$Y = 0^2 - 2 = -2$$

$$Y = 1^2 - 2 = -1$$

$$Y = 2^2 - 2 = 2$$

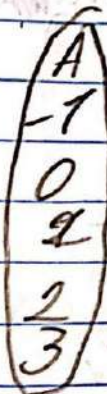
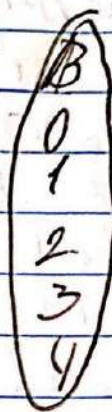
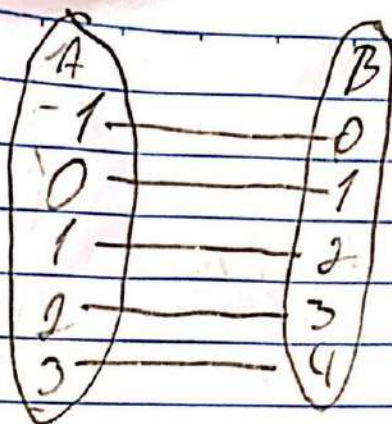
não é função

- 9) a) Infetoro
b) Bifetoro
c) Bifetoro
d) Salifetoro

data

S T Q Q S S

③



$$y = x + 1$$

$$f^{-1}$$

④



$$f^{-1}(3) = 1$$

$$y = -x + 4$$

$$\begin{matrix} 5 \\ -1 \end{matrix}$$

$$y = x + 4$$

5) $f(x) = x - 4$, $g(x) = -2x + 1$, $h(x) = x^2 - 1$

e) $f \circ g(x) = f(-2x + 1)$
 $-2x + 1 - 4$

$$f \circ g(x) = -2x - 3$$

f) $g \circ f(x) = g(x - 4)$
 $= 2(x - 4) + 1$

$$g \circ f = -2x + 9$$

g) $g \circ h(x) = g(x^2 - 1)$
 $-2(x^2 - 1) + 1$

$$g \circ h(x) = -2x^2 + 3$$

h) $h \circ f(x) = h(-2x + 1)$
 $(-2x + 1)^2 - 1$

$$4x^2 - 4x + 1 - 1$$

$$h \circ f(x) = 4x^2 - 4x$$

a) $f \circ g(2) = -2 \cdot 2 - 3 = -7$

c) $f \circ h(-1) =$

$$h(-1) = 0$$

$$f \circ h(-1) = -4$$

b) $g \circ f(3) = -2 \cdot 3 + 1 = -5$

h) $h \circ f(-2) \rightarrow f(-2) = -6 \rightarrow h \circ f(-2) = 35$

data

S T Q Q S S D

6) a) $\log(1, 2)$

$\log(1, 2) = 2$

$\log(1, 2) = 2^2 - 2 = 2$

b) $\log(-2, 6)$

$\log(-2, 6) = -2$

$\log(-2, 6) = -2^2 - 2 = 2$

7) a) $\log(1, 2)$

$\log(1, 2) = 1$

$\log(1, 2) = 1^2 - 2 = -1$

b) $\log(-2, 6)$

$\log(-2, 6) = -3$

$\log(-2, 6) = -3^2 - 2 = 7$