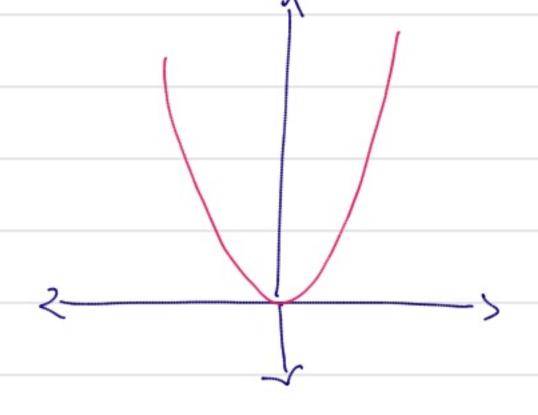
Agudantia 03, problema 5, parte c): $f(x) = \frac{x}{1-\sqrt{x}}$, pero si $x \neq 0$, $x \leq 1$, $f(x) = 1 + \sqrt{1-x}$ x -> Tx. Aplicances Conocemos el gráfico Le transformaciones: x 1-> 1x+1 工一石 DCL) 1+1/1-X Como Domf=(-0,1]/20], Lebemos quitar x=0 del grafico.

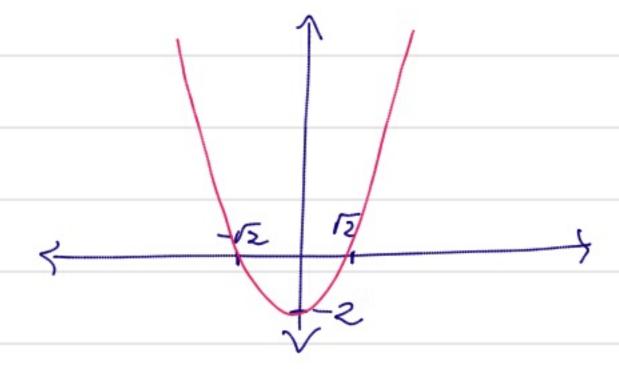
MAT 1107 - Introducción al Cálculo Ayudantía 04, 7-04-2022

Problema 1. f(x)= x2



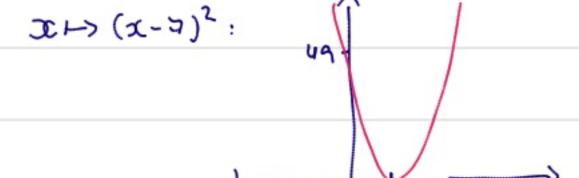
1. $g(x) = x^2 + 3$

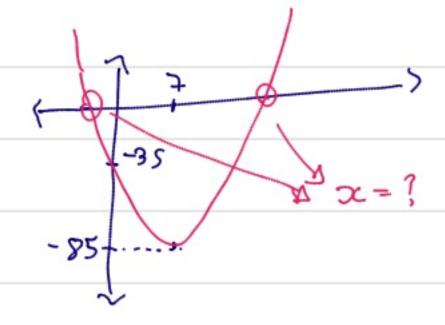
2.
$$h(x) = x^2 - 2$$
, $h(x) = 0$ ssi $x = \pm \sqrt{2}$.



3.
$$K(\alpha) = x^2 - 14x - 36$$

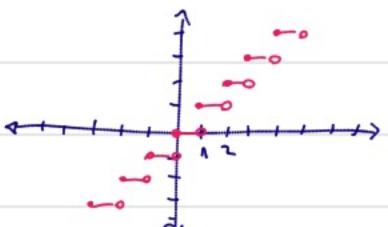
 $= x^2 - 2.7x + 49 - 49 - 36$
 $= (\alpha - 7)^2 - 85$

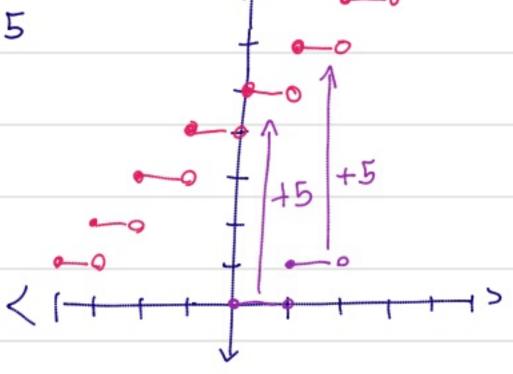




P2. [·]:
$$R \rightarrow Z$$
.

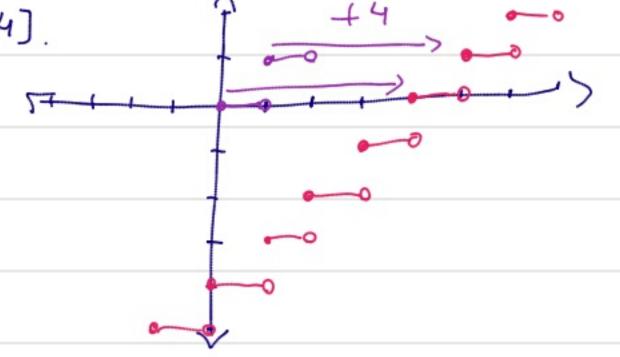
[x]= $n \leftarrow n \leq x < n + 1$





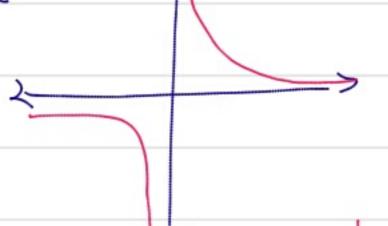
Yn∈ Z.

$$2. g(\alpha) = [\alpha - 4].$$

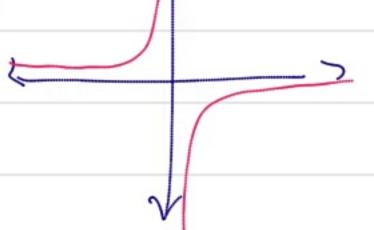


c) = [2x]. lo contraer el grófico en razón ½ (horizontalmente) 3 f 3. h(x) =Otramamena de verlo er con la definición. Para mc Z, [2x] = m 55i $m \leq 2 \propto \leq m+1$ $r=> \frac{m}{2} < \infty < \frac{m+1}{2}$ h seria constante estosintervolitos.

$$P3. f(x) = \frac{1}{x}$$



1.
$$g(x) = \frac{1}{-x} = f(-x)$$
.



2.
$$h(x) = \frac{1}{|x|} - f(|a|)$$

