$$\begin{cases} 3. \\ \ell(x) := x^{2}.6x+5 \end{cases}$$

$$\mathbb{R}_{p} = \left\{ y \in \mathbb{R} \mid \exists x \in \mathbb{D}_{p}: y = f(x) \right\} = \left\{ y \in \mathbb{R} \mid \exists x \in \mathbb{R}: y = x^{2}.6x+5 \right\} \right\}$$

$$x^{2} - (x+5) = y$$

$$x^{2} - (x+5) = 0$$

$$= 36 - 2c - 4y$$

$$= 36 - 2c - 4y$$

$$= 36 + 4y$$

$$x_{1,2} = 3 + \sqrt{3} + y \in \mathbb{R}_{p} \iff 0 = 4 + y \ge 0 \iff 0 = 2y \ge - 4$$

$$y \in \left[ -4 \right] + \infty = \mathbb{R}_{p}$$

$$\begin{cases} 2 \\ f(x) : x^{2} - (x+3) \\ -4x = 3 \end{cases} + (-1) +$$

(1) 05(2) 05(3)=) Rf=[-4,12] CgypsHeni Lell

$$30 f(x) := 1 - x^{2} (-2 \le x \le 3)$$

$$R_{f} = \{ y \in \mathbb{R} \mid \exists_{x} \in D_{f} : y = f(x) \} = \{ y \in \mathbb{R} \mid \exists_{x} \in [-2,3] : y = 1 - x^{2} \}$$

$$x^{2} = 1 - y$$

$$1 - y \ge 0 \quad \Lambda_{x_{1},2} = \pm \sqrt{1 - y} \in [-2,3]$$

$$y \le 1 \quad \Lambda \left( (-2 \le -\sqrt{1 - y} \le 3) \right) \quad \nu_{\alpha \beta \gamma} \left( -2 \le \sqrt{1 - y} \le 3 \right) \right)$$

$$-2 \le -\sqrt{1 - y} \le 3$$

$$-3 \le \sqrt{1 - y} \le 2$$

$$0 \le \sqrt{1 - y} \le 3 \quad (1)^{2}$$

$$0 \le \sqrt{1 - y} \le 2 \quad (1)^{2}$$

$$1 - y \le 9$$

$$y \ge -8$$

$$1 - y \le 9$$

$$y \ge -8$$

$$1 - y \le 9$$

$$y \ge (-8,1) \quad (2)$$

$$y \in [-3,1) \quad (4)$$

$$\begin{array}{lll}
\underbrace{(3)}_{L(s)} & \frac{3x-2}{x-1} & (x \in \{1_1 + \omega\}) \\
I & \forall x_1 \notin D_{\xi} : x \neq t = \} f(x) \notin f(t) \\
& \times_1 \notin D_{\xi} = \{1_1 : \omega\} \\
f(x) & = f(x) = \frac{3x+2}{x-1} & = \frac{(3x+2)(t-n) - (3t+2)(x-1)}{(y-n)(t-n)} & = \frac{5(t-n)}{(y-n)(t-n)} \neq 0 \text{ ha } x \neq t = \} f(x) \notin f(t) \\
II & \times_1 \notin D_{\xi} : f(x) = f(t) = x + t \\
f(x) & = f(x) \\
& = 2f \text{ inverted like th} \\
f(x) & = f(x) \\
& = 2f \text{ inverted like th} \\
& = 2f \text{ inverted like th$$