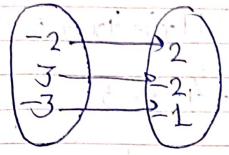
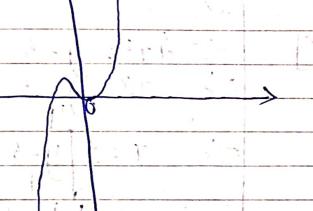


2. R= {(-2,2), (3,-2), (-3,-7)}



3. If the following graph of fix



f(x)-2

(b)

Den divitation of the contract

· Fany



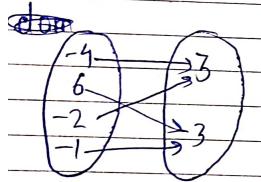
$$5. y = x - 1$$

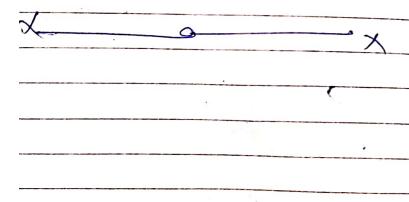
$$2 + 2$$

$$\Rightarrow \chi \rangle -2$$

domain
$$(p): (-2, \infty)$$

$$6. f(7) = [(-4,3), (6,-3), (-1,-3)]$$





$$f(\chi) = 4\chi^2 + 3$$

$$y=4x^2+3$$

$$\Rightarrow 47^2 = y - 3$$

$$\Rightarrow 7^2 = y - 3$$

$$\Rightarrow \chi = \pm \frac{y-3}{y}$$

$$\Rightarrow$$
 $y-3 \geq 0$



8. 9[
$$f(x) = 2x^{3} - 5x + 3$$
]
$$g(x) = 3x^{2} - 9,$$

$$f(x) = f(x) + g(x)$$

$$f(x)+g(x)=2x^3-5x+3+3x^2-9$$

$$=$$
 $3x^{2}+3x^{2}-5x-6$

9. If
$$f(x) = 3x^3 + 2x^2 - 5x + 2$$

$$g(r) = -7(3-x^2+5)$$

$$f(\chi) - g(\chi) = 3\chi^3 + 2\chi^2 - 5\chi + 2$$

$$-(-\chi^3 - \chi^2 + 5)$$

$$= 3x^{3} + 2x^{2} - 5x + 2 + x^{3} + x^{2}$$

$$= 4x^3 + 3x^2 - 5x + 2 - 5$$

$$= 4x^3 + 3x^2 - 5x - 3$$

$$9 = 6x^4$$
 and $g(x) = 3x$

$$\frac{g(x)}{f(x)} = \frac{3x}{6x^{4}}$$

$$\frac{2x^3}{2x^3}$$

1+ (2-(n)-1+3,81C

E + 231 -- 5: 31



 $f^{-1}(\tau) = \begin{pmatrix} 3 \\ 2 \end{pmatrix}$

 $= 18\pi^2 - 15\pi + 3$