	Nama: Pramer Pay Lapian	
	NPM: 190810210059	
	Deskripei: Tugus Fungei d	Grafik
	$f(x) \begin{cases} x^2 + 1, x \le 0 \\ 8 - 2x^2, 0 \le x \le 2 \\ x - 2, x \ge 2 \end{cases}$	3. $f(x) \left\{ 1-x^2, x \le 1 \right\}$
	2 X - 2 , X ≥ 2	3
	6 A B B B B B B B B B B B B B B B B B B	
	-5 -A-3-2-1 2 3 A 5	$D_{f} = (-\infty, 1) \cup [1, \infty)$ $= (-\infty, \infty)$
	$DF = (-\infty, 0) \cup [0, 2) \cup [2, \infty)$	Pf= (-00,1] U[2,00)
	$= (-\infty, \infty)$ $= (-\infty, \infty) \cup [6, 0) \cup [0, \infty)$ $= (0, \infty)$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
2.	[ 0 7 / 0	ς, χ = χ γ ->
	f(x) 3x2,0 ± x ± 1	-5 -4 -3 -2 -1 -1 -3 3 A
	3 2	4 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2 -2
	-1 -5 -A-3 -2 -1 1 2 5 A 5 6	$ \begin{array}{c} \text{DF} = (-\infty, -3) \sim [-3, 2) \cup [2, \infty) \\ = (-\infty, \infty) \\ \text{PF} = \{-3, -1, 5\} \end{array} $
	-A)	11 = 2 -3, -1, 9
	DF = (-00,0) U[0,1] U (1,00)	5. \( \pi + 3 \), \( \chi \left( -5 \)
	$= (-\infty, \infty)$ $P_{5}: 0 \cup (0,3) \cup (-\infty,3)$	F(x) { \( 9.  \cdot 2^2 \), -5 \(   \cdot 5 \) \(  \cdot 2^2 \), \(  \cdot 2^2 \)
	= (-0,3]	

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	5			
	1	7	I	TII TII
			- 3	1
	-6 -5 -A -3 -2 -1.1	123456	Q I. x	. 4-2
	-3		f(x) =	-x-2+2(-x+1)
	4			-x-2-2x+1
	De - (-00, -5) U	[-c,s) u [s, 0)	THE CHARLES STREET, ST	-3×
	= (-00,00)			2 4 76 61
	Re - (-10, -2)	(0,3) U[2,0		(x+2) + (-2(x-1))
	= (-00, -2)			7+2 - 27( + 2
				-x+4
6.	F(x) = 5 22-1	x + 2	□ III. >	
		x = 2		x+2+2(x-1)
	51	1		x+2+2x-2
	3	<b>5</b>	-	374
	1			-3x x L-2
	-6 A - 3 - 2 -1 -1 -1	123456	F(2) 9	-x+A, -2 6x Ll
	-2			13x, x 31 h
	-21			h
				1
	Dr: { x + 2}	v { z = 2 }		
	= { x e p }			3
	= (-00,00)	i .		
	PF = { y +3 }	U {y=0}	-6 -7 -6 -5 -4	-3-2-1 1 2 3 A C 6 7 B
	= { 46 }			-10
	= (-0,3)	v(3,00)		-4
	- (-013)		DF = (-00	,-2) U[-2,1) U[1,0)
7.)	F(x) =  x+2	12/2-1	- (	~ ~)
	1x42 / x+2		PF = (6,	$\infty$ ) $\cup$ (3,6) $\cup$ [3, $\infty$ )
	1-17	2), x L-2	= [3	. 00)
	1x-11-5 x-1			
		1) * < 1		• /
	- (22		, –	1, 1
	•			
				and the same of th
-		-		

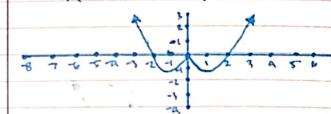
8. 
$$f(x) = 5 - |x-2|$$
  
 $|x-2|$   $f(x-2)$ ,  $x \le 2$   
 $-(x-2)$ ,  $x \le 2$ 

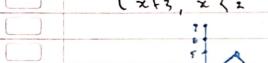
$$-2 \setminus \{\chi - 2, \chi \ge 2 \}$$

$$|x| = |x|^2 - 2|x|$$

DF: (-00,00)

D, 
$$x \ge 0$$
 $f(x) = x^2 - 2x$ 
 $f(x) = x^2 + 2x$ 
 $f(x) = x^2 + 2x$ 





$$D_{\xi} = \left(2, \infty\right) \vee \left(-\infty, 2\right)$$

11. 
$$F(x) = 3x + |3x - 5|$$
  
 $|3x - 5| = 3x - 5, x = \frac{5}{5}$   
 $-(3x - 5), x = \frac{5}{3}$ 

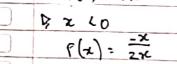
$$D_{F} = \left(2, \infty\right) \cup \left(-\infty, 2\right)$$

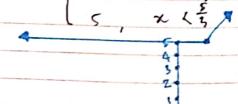
$$= \left(-\infty, \infty\right)$$

$$= \left(-\infty, 5\right] \cup \left(-\omega, 5\right)$$

$$= \left(-\infty, 5\right]$$

$$(9.) \quad \varphi(z) = \frac{1}{2}$$







the second secon	
De: (-00, 00)	
PF = [5,00)	
	21 09/
12.) F(x) = 2 - x	. 6//
[2]	-6-7-6-5-4-1-2 3 4 5 6 7 8
[x] {x, x ≥0	-1
-x, x L0	DF = [-2,3)
P x 30   F(x)	S1,x=0 R== [0,4)v(4,6)
C() X	
$F(\star) = 2 - \frac{x}{x}$	[3,240]
= 2-(=1	14. f(x) = [x] + 3[x+1]
\$ × 40	₽ [z]
$f(x) = 2 + \frac{x}{x}$	n:-2 -2 = x <-1
= 2+1 = 3	n=-1 -1 = x < 0
\$ 50	n=0 0 ± x L l
	1:1 (4×42
	n:2 26 x 63
	12 (-3x-5, -24x <-1
De = (-00,00)	-3x-9,-16x60
P4 = 21,3}	P(x) 1 3x+3 0 5x 61
	3× +4 , 1 = × L2
13. $F(x) = 2 x  - [x]$	3x+5 2 4 x 4 3
	,
[x] -24x 4-1	15° 15°
11.10	13
	11.
n = 0 0 4 x < 1	9 9
n=1 14 x 42	8 7
n = 2 2 ± x < 3	50 9
D (-2x+2, -25	
2xx1, -1 =>	
F(x) $2x$ $0 = 1$	
2×-1 1 5	x 1,2
22-2, 25	x 4 3
	De = (-2,3)
	PF = (-2,2) V (3,6), V (7,10) U[11,14)
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