	Date
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1.	$F(x) = \frac{1-x}{x}$ , $g(x) = \frac{x}{1+x}$
	0 0 3 0 0   0 0 0
	1 - x 3 - (1-x)
	$= \{x \in P \mid x \neq 0 \in P\} = \{x \in P \mid x \neq -1\}$
	$= (-\infty,0) \cup (0,\infty) = (-\infty,-1) \cup (-1,\infty)$
-	$= (-\infty,0) \cup (0,\infty) = (-\infty,-1) \cup (-1,\infty)$
	B D = D = O O .
-	DF±g = DF N Dg
	$= ((-\infty, 0) \cup (0, \infty)) \cap ((-\infty, -1) \cup (-1, \infty))$ $= (-\infty, -1) \cup (-1, 0) \cup (0, \infty)$
-	$= (-\infty, -1) \cup (-1, 0) \cup (0, \infty)$
	DF.g: DF N Dg = (-0,-1) U (-1,0) U (0,00)
-	DE = DF 1 Dg - {x   g(x) = 0}
	= D = N Da, 9(x) = 0 - > x = 0, x = -1
	= (-00,-1) U (-1,0) U (0,0)
2.	Dik: Dit:
	$a.f(x) = \sqrt{x-1} \qquad p = f \cdot g(x)$
	$g(x) = \frac{1}{x^2}$ D Fog
	b. P(x) = x-1 B P Fog
	$9(x) = x^2 \qquad \qquad \bigcirc 9 \cdot F$
	$c. F(x) = \sqrt{16-x} \qquad Q F(g(x))$
	$g(x) = x^4$
	Jub:
	$a \cdot F(x) = \sqrt{x-1}$ $P_0 \cap D_F = (0, \infty) \cap (1, \infty)$
	$\mathbb{D}_{F} : [1,\infty) \neq 0$
	P∈ = [0, ∞)
	$9(x) = \frac{1}{x^2}$
	$D_{g} = (-\infty, 0) \cup (0, \infty)$
	Rg = (0,00)
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(-00,0]U(1,00

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	D. RF N D9 = ((-00,1) U(1,00))	-	-
	: (-∞,1) ∪ (1,00) ≠0		
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	$(g \circ F)(x) = g(F(x))$ $= \left(\frac{x}{x-1}\right)^{2}$		
	= (26-1)		
	$c. f(x) = \sqrt{16-x}$	γ	A
	DF = (-00,16)	*	
	PF = [0,00)	_	
	5(x) = x4		
	D9 = (-0,0)		
	Pg = [0,00]		
		1.0	
	$\frac{P_{0} \cap D_{F} = [0, \infty) \cap (-\infty, 16)}{= [0, 16) \neq \emptyset}$		
	$D_{r}(f \circ g)(z) = \sqrt{16 - \chi^{A}}$	•	
	27 ( + 2 3)   (2) = 4 (6 ) 1	,	
	Don for Dolars (De)		
	> Drog = {x \in Dg \ g(z) \in Df \} = {x \in 12 \ x \ \in (-00, 16) \}		
	= {x & P   x 4 \( \) \( \) }		
	= 1 = 2 2 ]		
	-2,2		,
-	B Prod = 5 & C R=   4 = F(A) + E Ra ?		
	7 ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )		
	= { 2 3 0 / 2 = 1 18-+ 1 70 }		
	= { y ≥ 0 } 0 = y = q }	-	
-	2 [0, 4]		
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