NOMO: FOURS Ancherdo DO CUMBO MONDOS 10: 2252 740 (Da)* log(x) = 7 (x-2) +2 = x// * gola = (7x+2)-12= (x/) 2-) + logus = 26 - (J16-x) = 16 - 16 + x = x/ * Jolex = 126 - (16 - x2) = 126 + 16 + x2 = Vx2 = 1x1 = X // c) + log(x)= 7 - (3/2-x) = 7 - (7-x) = x/ + golix = 3 7-(7+x3) = 3 7-7+x3 = x Dol(x) = (x+2)+2 x+2+2(2x-1) 2(x+2)-1 2(x+2)-1) = x 5 x 11 2 - 21 1 5x 12x-12-2x112 5x 2(x+2) _ 2 (2x-1) (x+2).2

tilibra

(2x-1)(x+2)2(24-1) S S S 6000, lola 7X, (3) { (x) · g(x) = x - 1 $g(x)(x^2-2x+1)=x-1$ $g(x)(x+1)^2$ = (X - U) $g(x) = (x-1), and x \neq (x+1)^2$ J(x)= \3x+1, re x>,0 2x-1, 1 x x 60 g(x) = 14x-81 }4x-5, 2x x 20 (-(4x-5), xx 40

(tilibra)

a) (1+9) (x) (1+y)(x)=2x-1-(4x-5) (1+y)(x)=3x+1+4x-5 =2x-1=4x+5 = 7x-4 $= -2 \times + 4$ = 4-2x $(1+g)(x) = \{7x-4, re x > 0 \}$ D(l+g(x)) = 12// e-)(l. g)(x) l.gx=(2x-1)(-4x+5) | l.g(x)=(3x+1)(4x-5) $= -9x^{2} + 10x + 4x - 5 \qquad = 12x^{2} - 15x + 4x - 5$ $= -9x^{2} + 14x - 5 \qquad = 12x^{2} + 11x - 5$ (1.g)(x) = {-9x3+14x-5, 10x40 (12x2-11x-5, 20x2) D(l,g)(x)=1R// L)(P/g)(x) 1 lg (x)= 3x+1 4x-5 1/g(x)=2x-1=2x-2 -4x+5 5-4x Dom=1n-{ 5/6} Don = 12 - {5/4} tilibra

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\int_{y}^{2}(x) = \begin{cases} \frac{2x-1}{5-4x}, & x \neq 0 \\
\frac{2x-1}{4x-5}, & x \neq 0
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(tilibra) 1+g= 3(x-1), $n \times 60$

1-9: P/ + CO O P/ +70 $= 3 \times -2 - (-x) = 3 \times -2 - x$ 3x-21x =2x-2 $= 4x-2 \qquad |-2(x-1)|$ = 2(2x-6) $1-g = \begin{cases} 2(2x-L), & x \neq 0 \\ 2(x-L), & x \neq 0 \end{cases}$ 0/x40 0 = (3x-2)(-x) = (3x-2)(x) $= -3x^2+2x = -3x^2-2x$ $= \times (2-3\times) = \times (3\times -2)$ { -3x2+2x, re x <0 0 (14)0 01 x L0 3x - Z $-(3 \times -2)$ =-3x+2 $x\neq 0$ $\frac{3\times -2}{3}, n\times 0$ D= 112- 803 1/g(x) = tilibra 8 log(x) 8 0 P1 × 70 01 × LO = 3 |x1 - 2 =3(-x)-2 =3x-2 $=-3\times-2$ $\log = \begin{cases} -3x - 2, & x + 20 \\ 3x - 2, & x + 20 \end{cases}$ PI XLO -(3x-2)1 = 3x-2 $= -3 \times + 2$ $= 3 \times -2$ $g \circ f(x) = \{ -3x + 2, x + 20 \}$

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