1.5 Saturday, April 13, 2024 9:33 PM · far Samething to be one-to-one, eug vand in the input should receted a migun value in the range LD new takes the same while fcx, 5 & fcx25 when Louse me horizental line . Due inuse function hos to be an - to-are lue innse fonction $F^{-1}CXJ=y4Df(y)=X$ this'n Saritched Concellation equations. f-1 (fcx) = x for emy x in A f(f-1cx)) = x for every x in B . Low to find the inuse fonction et a one-to-an tuction: O with y=fcx) (2) Solve me equation for x in time of 4 cit possible (3) introduze 2 & 4 -. $y = f^{-}/Cx$ The graph of f-1 i's gotten by refrecting true prosper of f about the line y=x · Cogantithmic functions reated to $P^{-1}(x) = y + b + cy = x$ Cogh X = y LA by = x Logb (bx) = x for emp XEZ blogb = x for emy x>0 · Low of Logs! (1) (ogb(xy) = logbx + logby Dlogb (x/y) = Logbx - logby (3) Logb (xr) = n/ogb (whn ris my real runh) · nortunal Logs! Logex = lnx Inx=y(+De+=x $X \in \mathbb{R}$ mcex) = x · Chaze & borse formula! inude triganometric functions: $Sin^{-1}X = 445iny = 27 = 27 = 5$ L'ancellation holds) Cos" x = y + + cosy = x & o < y < T Canallation nolds) Em-(Cx) = y & & & (T) = x & -2 (4 - 7) Tue rest! y=CSC-1×(1×1)1) 4+ LSCy=× 1 y 6 (0, T/2] U (T,3T/2] y=Sec x(1x1>1) +D Sely=x & y E [0, T/2) U [T1, 3T/2) y=(ot-1x(xtR)4+>coty=x & y & (oty=x)