1X5(1+2X--= X(1/1+2X5 1930 X (X2+25) f(x) =f(x)= 1. (x2+25) + x. - (x225) 2x 1 Xsts2 flox5

$$f'(x) = \frac{(x^{2}+25)^{2}}{(x^{2}+25)^{2}} \frac{(x^{2}+25)^{2}}{(x^{2}+25)^{2}}$$

$$= \frac{(x^{2}+25)^{2}}{(x^{2}+25)^{2}}$$

$$f''(x) = \frac{x(2x^2+75)}{(2x^2+25)^{3/2}}$$
>0 if x >0

if x = 0
$$f(x) = \frac{x(2x^2+75)}{(2x^2+75)^{3/2}}$$

Triverse
$$\frac{3y+9}{6y+2} = y = \frac{3(x-3)^{2}}{6(x-15)^{2}}$$

Triverse $\frac{3y+9}{6y+2} = x$
 $3y+9 = x(6y+2) = 6xy + 2x$
 $3y-6xy = 2x-9$
 $y(-6x+3) = 2x = 9$
 $y = \frac{2x = 9}{6x+2}$
 $y = \frac{2x = 9}{6x+2}$

f(x1= x2 - 1 (x-0) - 1 (x-FIX+5/2X1-X2(9) 9×15× 9x2+10x=x(x+10) $f(x) = \left(\frac{3(x--3)}{6x+2}\right) = \left(\frac{3x+9}{6x+2}\right)$ - - 48 = 18/672) (6x+2) : 96 (6x+2).6 >0 x> 76 <0 x2 -26 F"60= 96