

 $f(x) = \frac{2x}{1+x^2}$ $f'(x) = 2(1+x^2) - (2x)(2x)$ (1+×2)2 $= 2 - 2 \times^2 = 2 (1 - x^2)$ $(1+x^2)^2$ $(1+x^1)^2$ f(x) 50 for (x/>1 f (f1)=0 f'(x) >0 for (x/</ -12 × 20 0 C× C1 mi flx)=0









































