$$|\lim_{x\to 1} \frac{|x-1|}{|x-1|}$$

$$|\operatorname{Recall} |x| = (-x^{3}, x < 0)$$

$$|x| = (-x^{3}, x < 0)$$

$$|x-1| = (-(x-1)), x < (x-1)), x < (x-1)), x < (x-1)), x = 1$$

Use I for  $(x-1)$ ,  $x = 1$ 

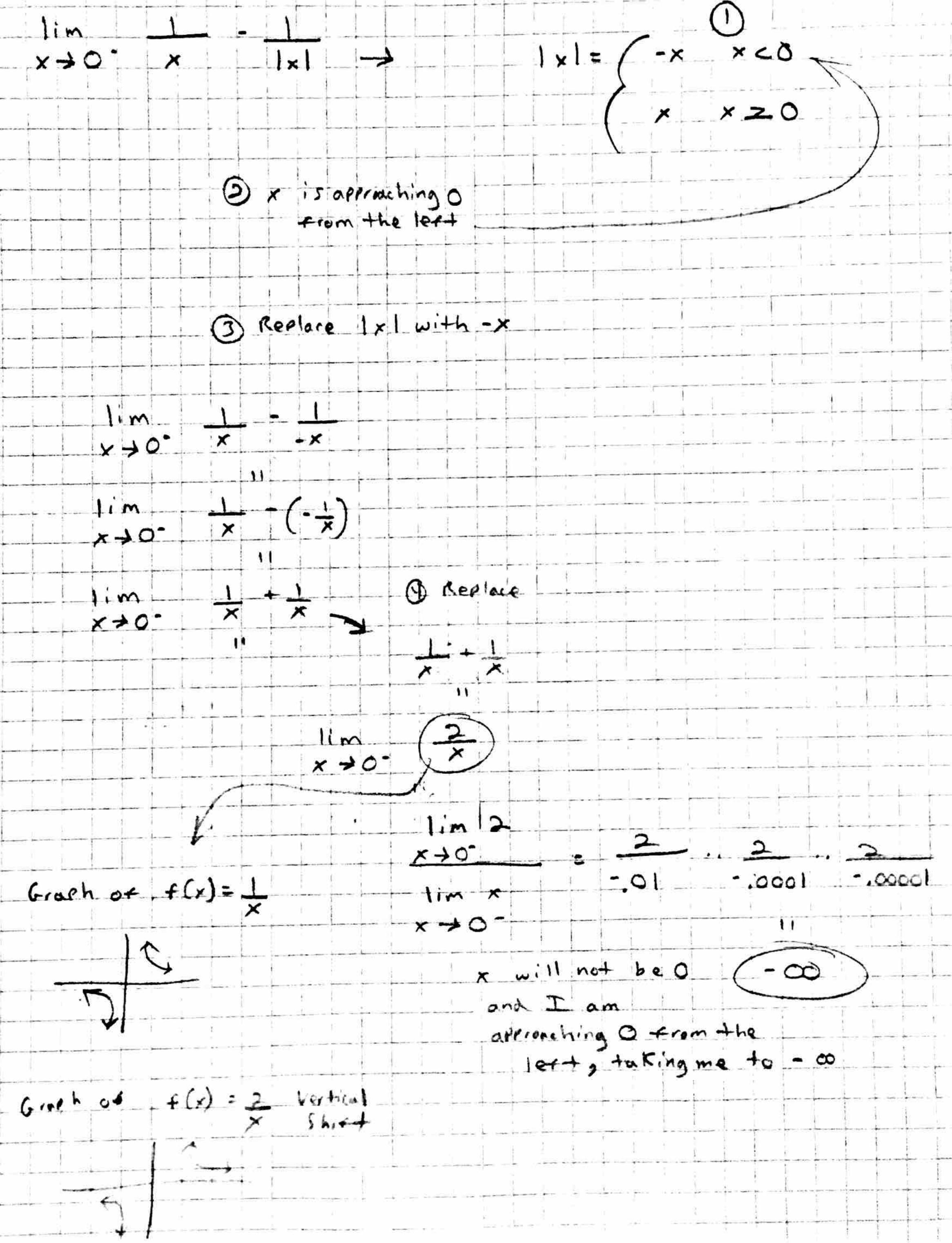
X since  $|x-1| = 0$ 

Piecewise From

$$\lim_{x \to 1^+} \frac{C_{x} = D}{G_{x} = D}$$

1 im - 1

 $\left(-1\right)$ 



lim IxI sin (x) Domain of sin [-1, 1] OKX  $-1 \leq 1 \times 1 \sin(\frac{x}{x}) \leq$ -1x1 = 1x1 s.n(+) = 1x1 lim - |x| = lim |x|sin(x) = lim |x|
x to x to x to