

2. For x near 0 we have $|x - 1| = 1 - x$ and $|x + 1| = x + 1$. Thus

$$\lim_{x \rightarrow 0} \frac{x}{|x - 1| - |x + 1|} = \lim_{x \rightarrow 0} \frac{x}{(1 - x) - (x + 1)} = -\frac{1}{2}.$$