

$$\begin{aligned}
 36. \quad & \lim_{x \rightarrow 0} \frac{|3x - 1| - |3x + 1|}{x} \\
 &= \lim_{x \rightarrow 0} \frac{(3x - 1)^2 - (3x + 1)^2}{x (|3x - 1| + |3x + 1|)} \\
 &= \lim_{x \rightarrow 0} \frac{-12x}{x (|3x - 1| + |3x + 1|)} = \frac{-12}{1 + 1} = -6
 \end{aligned}$$