

$$\begin{aligned}
29. \quad & \lim_{x \rightarrow -\infty} \left(\sqrt{x^2 + 2x} - \sqrt{x^2 - 2x} \right) \\
&= \lim_{x \rightarrow -\infty} \frac{(x^2 + 2x) - (x^2 - 2x)}{\sqrt{x^2 + 2x} + \sqrt{x^2 - 2x}} \\
&= \lim_{x \rightarrow -\infty} \frac{4x}{(-x) \left(\sqrt{1 + \frac{2}{x}} + \sqrt{1 - \frac{2}{x}} \right)} \\
&= -\frac{4}{1 + 1} = -2
\end{aligned}$$