



(j)
$$\lim_{x \to -\infty} |\operatorname{ercsin}(\frac{1-x}{1+x})|^2 - \frac{7}{2}$$
 $\lim_{x \to -\infty} \frac{1-x}{1+x} = \frac{1}{x} = 1$
 $\lim_{x \to -\infty} \frac{1-x}{1+x} = \frac{1}{x} = 1$
 $\lim_{x \to -\infty} |\operatorname{ercsin}(x)|^2 = \frac{7}{2}$
 $\lim_{x \to -\infty} |\operatorname{ercsin}(x)|^2 = \frac{$