

Evaluate the following limits as $x \rightarrow \pm\infty$.

$$\lim_{x \rightarrow \infty} \frac{x + 1000}{x^2}$$

$$\lim_{x \rightarrow \infty} \frac{2x + 1000}{x}$$

$$\lim_{x \rightarrow -\infty} \frac{1 - x^2}{x}$$

$$\lim_{x \rightarrow \infty} \frac{\sin x + x^2}{x + \cos x + x^2}$$