1. Limits at Infinity: In plain English, what should the symbols below mean?

$$\lim_{x \to \infty} f(x) = L$$

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2. Using the calculating tool of your choice, determine the limits below or determine that the limit does not exist.

(a)
$$\lim_{x \to \infty} \frac{3x + \sin(x)}{x}$$

(b)
$$\lim_{x \to -\infty} \frac{2x+1}{\sqrt{x^2+1}}$$

(c)
$$\lim_{x \to \infty} \frac{1}{x}$$