Pre-class worksheet 2: infinite limits

Calculus I, section 10

Due September 19, 2023 by 4:10 PM

In class, we talked about infinite limits. Work out the following examples.

Problem 1. $\lim_{x \to \infty} \frac{1}{x^2+1} - 3$

Problem 2. $\lim_{x \to -\infty} \frac{x^2+1}{x^2}$

Problem 3. $\lim_{x \to \infty} \frac{7}{x+2^x}$

Problem 4. $\lim_{x \to \infty} \frac{x^2+2x+1}{x+1}$