1 2.1/2.2: Intro to Calculus and Limits

Goal #1: To find the slope of a line tangent to a curve at a given point.

Concept of a Limit:

Infinite Limits and Vertical Asymptotes:
Examples:

\[
\lim_{x \to 1} \frac{x^2 + 1}{x - 1}
\]

On Your Own: \(\lim_{x \to 3} \frac{x^2 + 1}{(x - 3)^2}\)

\(\infty\)