

## 2.2: Numerical and Graphical Understanding of Limits

Concept of a Limit:

Infinite Limits and Vertical Asymptotes:

**Examples:**

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

$$\lim_{x \rightarrow 3} \frac{x^2 + 1}{(x - 3)^2}$$

**On Your Own:** #1,3,4,5,9,15,17,19,21