2.2: Numerical and Graphical Understanding of Limits

Motivation: The first historical problem of calculus

http://www.math.tamu.edu/~dmanuel/math151/tan_sec.gif

Recall: Notation of Limits:

$$\lim_{x \to a^-} f(x) = L$$

$$\lim_{x \to a^+} f(x) = L$$

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

Maplet Example:

On Your Own: 2.2 #1,2,4,9,13,16,17-21,24,26