Agenda/Objectives/Notes Calculus Section 1.3

Starter Problems

1. Complete a table to find the limit for $\lim_{x\to -3}\dfrac{\sqrt{1-x}-2}{x+3}$

2. Sketch the graph of *f*. Identify the values of *c* for which $\lim_{x\to c} f(x)$ exists.

$$f(x)\begin{cases} x^2, & x\le 2 \\ 8-2x, & 2<x<4 \\ 4, & x\ge 4 \end{cases}$$

Today's Agenda
1. Starter problems
2. Review assignment due
3. Today's objectives
4. Today's assignment: Read Section 1.3, 67/3, 9, 15, 25, 29, 33, 39, 43, 47, 53, 71, 95, 96

Today's Objectives: You will be able to
1. Evaluate limits using
    a. properties of limits
    b. dividing and rationalizing techniques
    c. the "Squeeze Theorem"
2. Develop and use a strategy for finding limits