- Standard 1.1:
 - Suppose $\lim_{x \to 2} f(x) = 2$. What can you say about the value of f(2)?
 - Sketch the graph of a function with the following features: (a) $\lim_{x\to 1} f(x)$ exists, but f(1) does not. (b) f(2) is defined, but $\lim_{x\to 1} f(x)$ does not exist.
- Standard 1.2: Let $f(x) = x^2 2x + 4$. Using only the basic limit properties from Theorem 1.3.1 in the textbook, show that $\lim_{x \to a} f(x) = f(a)$ for any real number a.
- Standard 1.3: Evaluate the following limits:

$$\lim_{x \to 1} \frac{x - \sqrt{x}}{x^3 - 1} \quad \text{and} \quad \lim_{x \to -1} \left(\frac{2}{x^2 - 1} + \frac{1}{x + 1} \right)$$

- Standard 1.4: Evaluate $\lim_{x\to 0} \frac{\tan^2(2x)}{x^2}$ and $\lim_{x\to 0} \frac{1-\cos(x)}{x^2}$
- Standard 1.5: Let $f(x) = \begin{cases} \ln(x-1) & \text{if } x \ge 2\\ 1-x^2 & \text{if } x < 2 \end{cases}$ Evaluate $\lim_{x \to 2^-} f(x)$, $\lim_{x \to 2^+} f(x)$, $\lim_{x \to 2} f(x)$, and f(2).