Agenda/Objectives/Notes Section 1.4

Starter Problems
Find the limit if it exists:

1. $\lim_{x\to 3} \dfrac{\sqrt{x+1}-2}{x-3}$

2. $\lim_{x\to \pi/4} \dfrac{1-\tan x}{\sin x - \cos x}$

Today's Agenda
1. Starter Problems
2. Review assignment due
3. Today's objectives
4. Today's assignment: Read Section 1.4 & 78/1, 5, 7, 9, 13, 17, 23, 25, 29, 31, 37, 40, 41, 43, 55, 57, 59, 61, 71, 88, 98

Today's Objectives: You will be able to
1. Determine continuity at a point and on an open interval.
2. Determine one-sided limits and continuity on a closed interval.
3. Use properties of continuity.
4. Understand and use the Intermediate Value Theorem.