MAT21A Written Assignment
Due Wednesday, 10/5

Read, **R**eflect, and **R**eact (or Respond) **P**rompt #3

Mathematicians are masters at symbology. Long before IMs and texting gave rise to symbols like 'lol' and 'omg', mathematicians created and defined symbols like 'dy/dx' and '!' to represent complex ideas. As mathematics progressed, leading to more complex ideas and longer proofs, it was necessary to create shorthand notation to make mathematical writing more efficient for the writer and the reader. I would like you to take part in this symbology by creating your own symbol for the definition of the limit:

Given any number ε > 0, there exists another number δ > 0 such that
if |x – a| < δ, then |f(x) – L| < ε

1. Create one (or more) symbol(s) to make a your personal short-hand version of the limit. Make sure to include the definition of this new symbol(s).

2. Write the definition of the limit (full-version) three times. Then, write your personal definition of the limit with your new symbol(s) three times.