

Solving Finite Limits: $\lim_{x \to a} f(x)$	
1. Plug it in	 If you get a number, you're done! If you get ∞ -∞, go to Step 2 If you get 0/0, go to Step 3 If you get nonzero/0, go to Step 4
2. Turn the expression into a single fraction	 If the expression is the sum or difference of two fractions, find a common denom- inator Go to Step 3
3. Simplify	 Factor numerator and denominator completely. Cancel any like terms Return to Step 1
4. The limit either does not exist, or goes to $\pm\infty$. Check the limit from either side.	 From the left: Evaluate lim f(x). You will get either nonzero or nor nonzero or nonzero or nonzero or nonzero o