Lecture 6: Indeterminate forms

Math 153 Section 57

Friday October 10, 2008

Following chapter 11.5.

When you fail to plan, you plan to fail.

Statement of l'Hopital's.

$f(x) \to 0$ and $g(x) \to 0$, and if $f'(x)/g'(x) \to \gamma$, then $f(x)/g(x) \to \gamma$.

Don't get overzealous: try to apply it to $x/(x + \cos x)$ and you will be wrong!