L'Hopitals Rule Agenda: 12/15/15 lesson 79

. 6 multiple Choice Test

· 2 FRCS

- Min/max/ inflection points - Jagged Lines

But we want to know how they behave near them. lots of functions not defined at points

Can simplify some:

 $\frac{x^2 \times \frac{1}{x^2} \times \frac{1}{x^2} \times (x^{-1})}{(x^2 \times 1)(x^{-1})}$ ーイン ٢.

Honecher Some we can't:

انا X 75 X X メデュ

4 Lim g(x) ナシュ البي Indeterminate forms:

or I to then we can use l'Hop: talis

is a indeterminate form thought x na L'Hopothal Rule s: Lim fax Lin Scx)

f(x) exists, then f'(x) Lim fix) = Lim +'(x) x > a g(x) = x > a g'(x)

Lus x + 2x

Ex. Lim Sinx

× 14× 8 5 % 5

Sn× 1. Csx FTX الم

6×4 81×