

MATH 150

Today

1. Review for Exam III

Goals:

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1. Exponential and logarithmic functions
 - (a) Definitions, domains
 - (b) Limits and derivatives
 - (c) Applications (interest compounding, exponential decay, half-life)
2. L'Hôpital's Rule
3. Trig functions/inverse trig functions
 - (a) Definitions, domains
 - (b) Unit circle
 - (c) Graphs
 - (d) Trig identities (Pythagorean, sum, double-angle)
 - (e) Limits and derivatives
 - (f) Applications
4. Logistics
 - (a) We can start 5 minutes early and go 5 minutes late (10:15-11:25).
 - (b) You may use a 3"x5" index card (both sides) for trig identities or other things you may wish to remember. It must be handwritten **by you**. Space is limited, so plan out how best to organize your notes.
 - (c) You may also use a graphing calculator and/or Desmos.

Next Time

1. Exam
2. Watch 7.1 for after the exam [35 min]