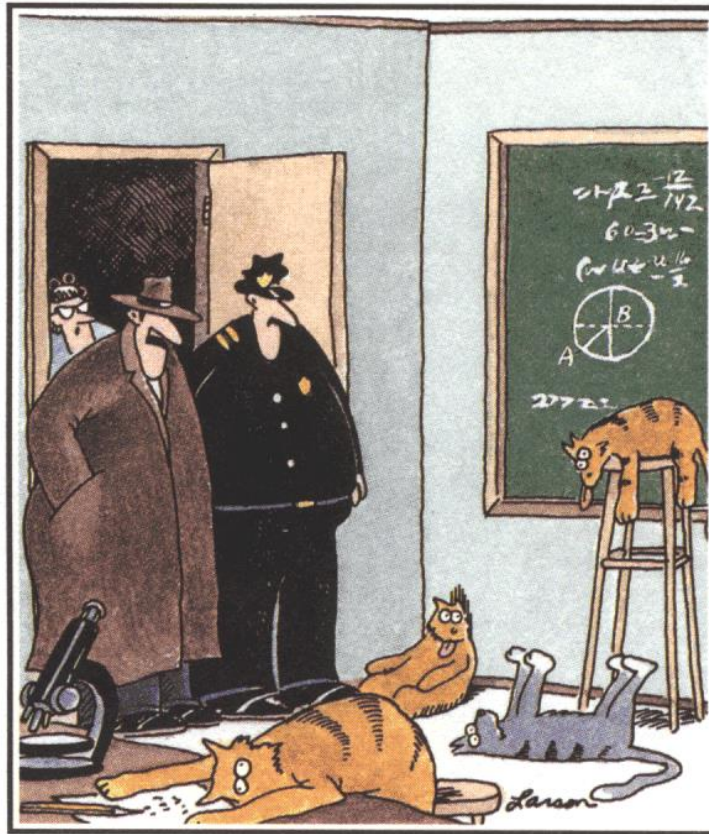


QUESTIONS FOR CLASS

DISCUSSION: MATH 161



“Notice all the computations, theoretical scribbles, and lab equipment, Norm. ...
Yes, curiosity killed these cats.”

26 August 2019: riddles & U. Mich pre-calculus final exam

28 August: rational functions, zeroes, singularities, sign analysis, limiting behavior

30 August: additional precalculus problems from U. Mich.

30 August: old quiz 1

4 Sept: limits

6 Sept: continuity: IVT and Squeeze theorem

9 Sept: continuous extensions; IVT; trigonometric limits

problems from Stewart, section 2.5

review problems

13 Sept: average rate of change

16 Sept: the derivative as a function

18 Sept: the derivative at a point

20 Sept: short cuts

23 Sept: short cuts continued

26 Sept: practice test 1 and intro to curve sketching

28 Sept: Test I

30 Sept: short cuts applied to curve sketching

2 Oct: Higher-order derivatives

4 Oct: Linear approximations

11 Oct: Chain rule

18 Oct: Test II

14, 21 Oct. Implicit and Logarithmic differentiation

23 Oct 23: Related rates

28 Oct: Related rates, continued

30 Oct – 4 Nov: Optimization

6 Nov: practice problems: Optimization

4 – 6 Nov: MVT, Indefinite integrals

11 Nov: practice test 3 exercises; initial value problems

13 Nov: Riemann integral and area

15 Nov: Test III

18 Nov: Riemann integral, continued

20 Nov: Riemann integral, continued

22 Nov: Riemann integral, continued

25 Nov: hyperbolic functions

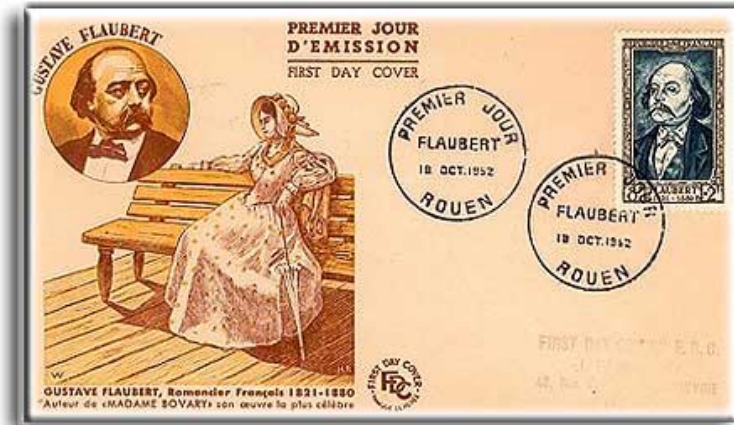
2 Dec: substitution

4 Dec: L'Hôpital's rule

6 Dec: final exam review

Work! God wills it. That, it seems to me, is clear.

- **Gustave Flaubert** (letter to Louise Colet, 1845)



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