AP Calculus AB
Dr. Paul L. Bailey

Lesson 03/23
Monday, March 22, 2020

Your assignment for today is to investigate e:

(a) Please read Thomas Section 7.3. This will mostly be review, but it is a good idea to try to understand it in the manner it is presented in this section.

(b) I have placed a document entitled "What is e?" on my website (under Current Classes/AP Calculus AB). I wrote this for a college class (actually Precalculus), but the beginning is a bit deep; read this if you get a chance, and start on page four if you want to skip the hard part.

https://plbailey79.github.io/portal/z19/CalAB/wCalAB.html

(c) Watch the following video "The Great Pi versus E Debate". Please watch up until he starts talking about Venusians. You can watch the Venusian part if you want, though.

https://www.youtube.com/watch?v=whpAX30vjoE

(d) Fill out the checkin form.

0323 AP Calculus AB Checkin

The exam will cover topics from Unit 1-7. The exam will not cover Unit 8. These are the topics:

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UNIT 1: Limits and Continuity
UNIT 2: Differentiation: Definition and Fundamental Properties
UNIT 3: Differentiation: Composite, Implicit, and Inverse Functions
UNIT 4: Contextual Applications of Differentiation
UNIT 5: Analytical Applications of Differentiation
UNIT 6: Integration and Accumulation of Change
UNIT 7: Differential Equations
UNIT 8: Applications of Integration
UNIT 9: Parametric Equations, Polar Coordinates, and Vector-Valued Functions bc only
UNIT 10: Infinite Sequences and Series bc only
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For more details on these topics, the AP Calculus AB course description is also available at

https://plbailey79.github.io/portal/z19/CalAB/wCalAB.html