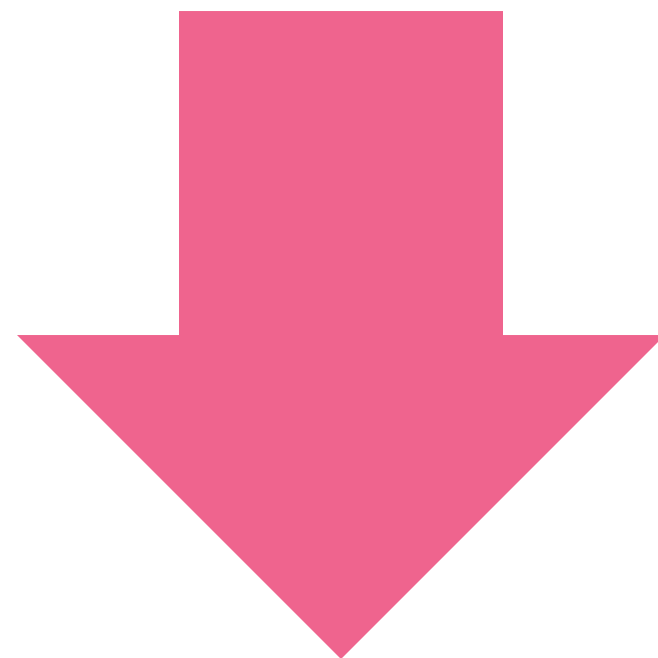


Are you searching for AP-Style Assessments?

All new editable assessments and so much more to save you time

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AP[®] Calculus

Differentiation-Part 2

Composite, Implicit, and Inverse Functions

Free Response

Flamingo MATH by Jean Adams

Suppose that $f(x)$ and $g(x)$ are differentiable functions about which we know very little. In fact, assume that all we know about these functions is the following table of data:

x	$f(x)$	$f'(x)$	$g(x)$	$g'(x)$
0	3	$\sqrt{5}$	$\frac{1}{2}$	-1
1	6	$\frac{\pi}{2}$	3	-2
3	2	π	-5	6

Show set up for partial credit.

11. $h(x) = f(x) \cdot g(x)$. What is $h'(3)$?

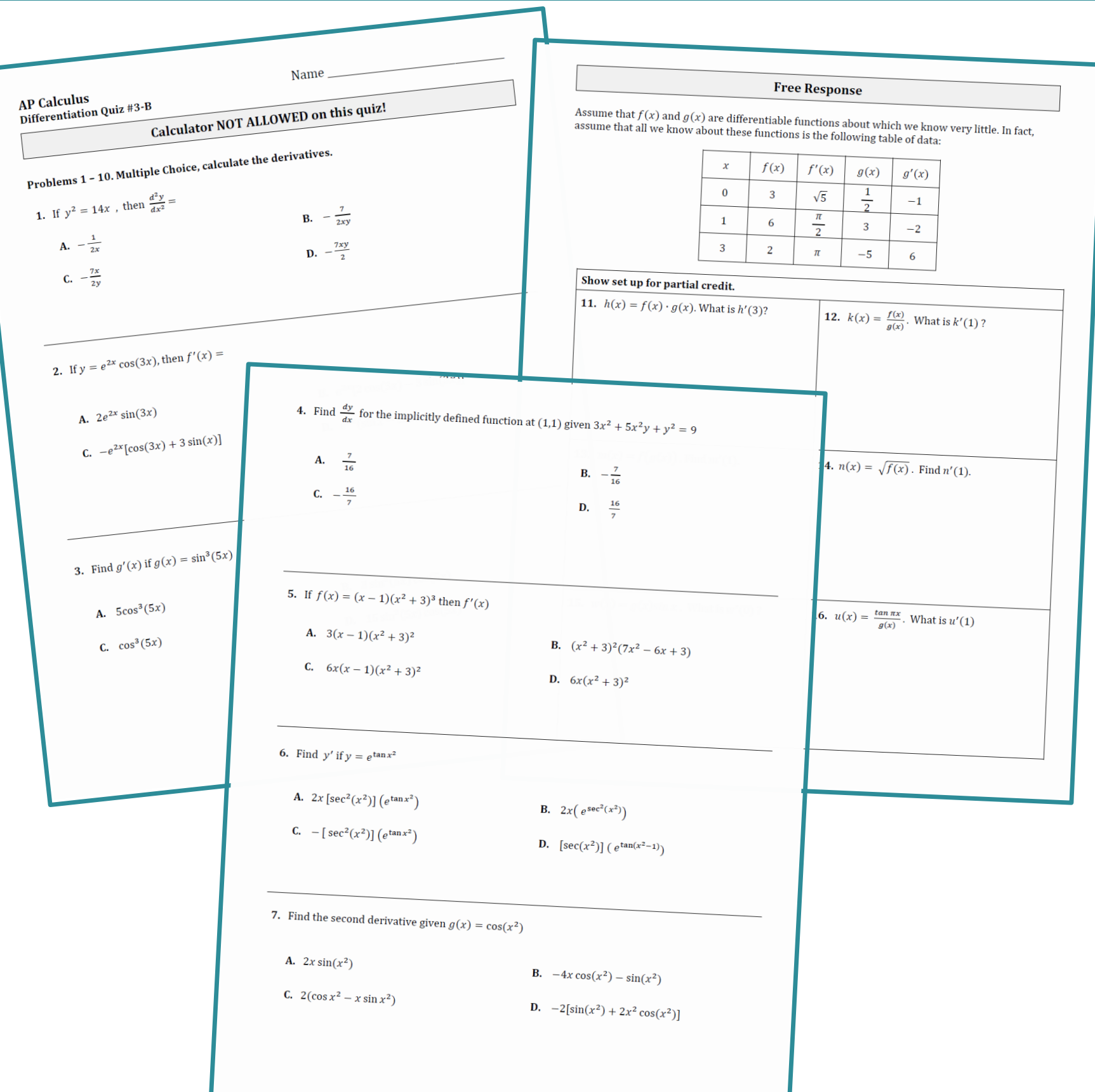
12. $k(x) = \frac{f(x)}{g(x)}$. What is $k'(1)$?

Assessments

3

Completely Editable

Rigorous assessments aligned to course standards is here.



Where do you find extra time to write AP-Style assessments?



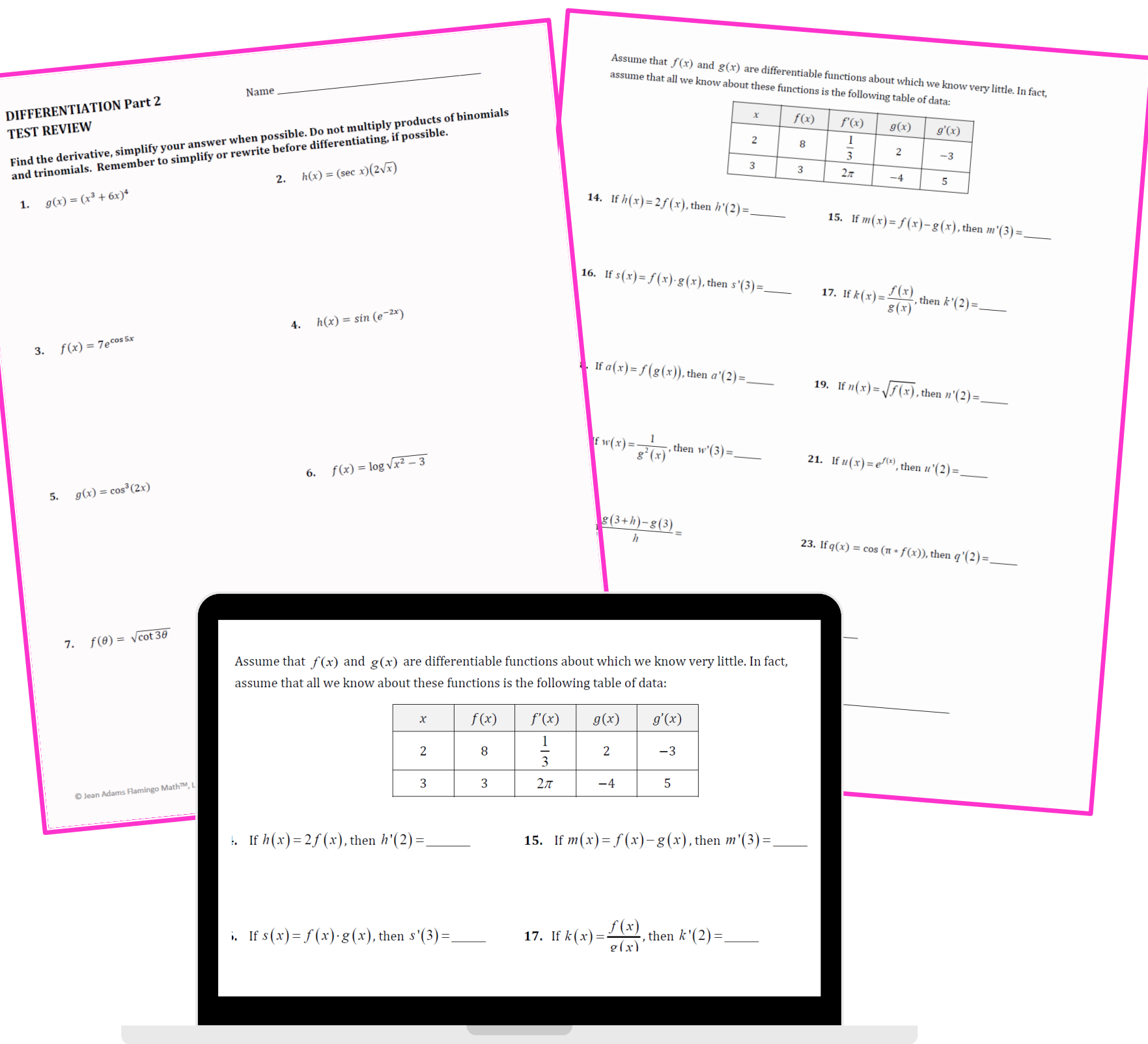
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Scope and Sequence

Cover the Standards

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- ❑ You will also have a **fully-editable version** for every review, quiz and test to create extra assessment tools.
- ❑ A pacing guide for both AB and BC lessons and testing schedule.

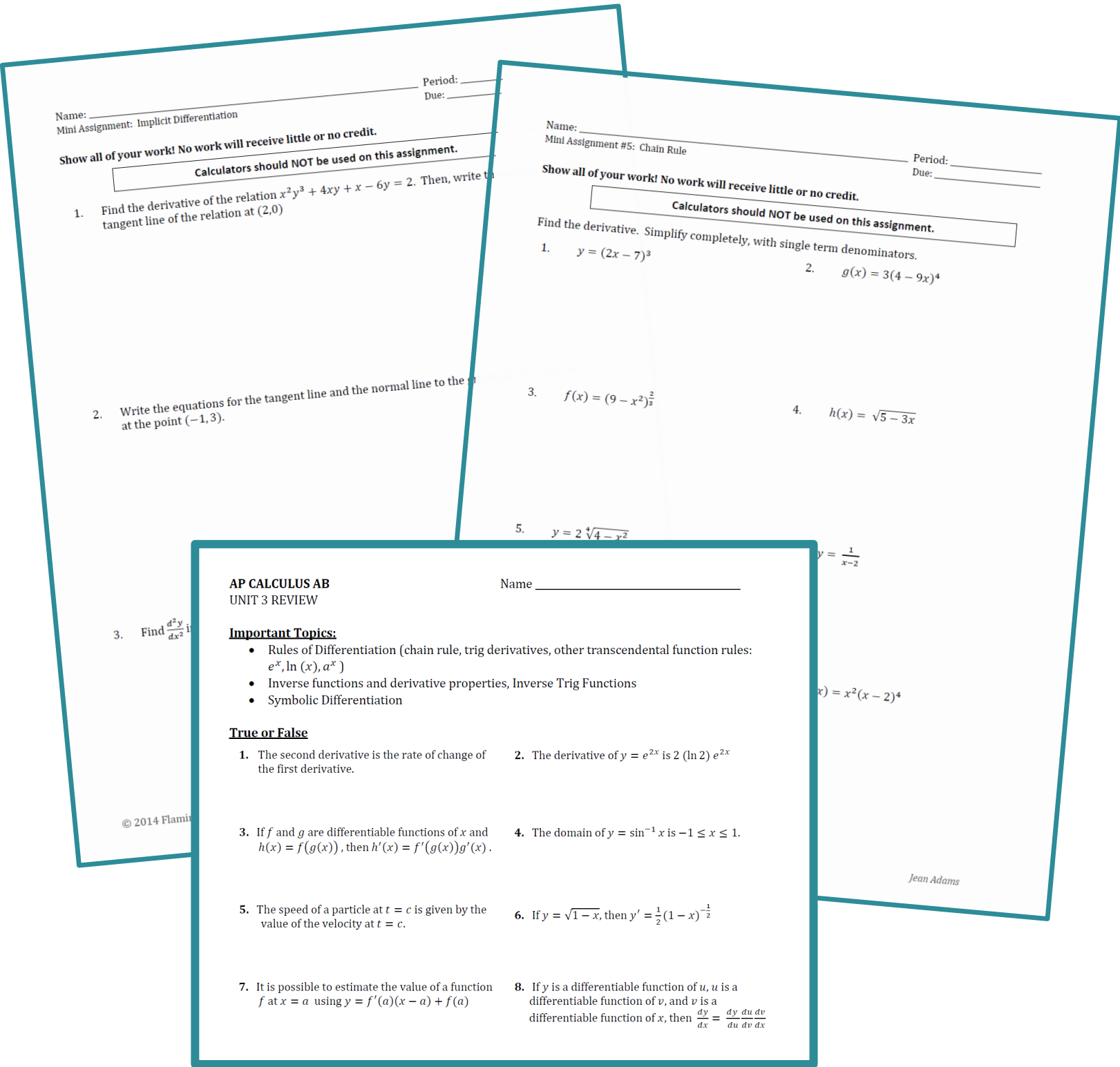
AP CALCULUS CURRICULUM

Scope and Sequence

Unit 3: Differentiation - Part 2 Composite, Implicit & Inverse Functions

Lesson	Skills & Learning Objectives
[3.1] The Chain Rule	❑ Apply the chain rule for polynomial, power, sine, cosine, tangent, exponential and logarithmic functions
[3.2] Symbolic Differentiation	❑ Use properties and rules of derivatives to differentiate symbolically
[3.3] Implicit Differentiation	❑ Find derivatives of implicitly defined functions
[3.4] Derivatives of Inverse Functions	❑ Apply the properties of inverse functions to the derivatives of inverse functions ❑ Apply rules for bases and logarithms
[3.5] Derivatives of Inverse Trig Functions	❑ Apply rules of derivatives for inverse trig functions

Early Reviews from Happy Teachers!



“ I love these assessments! They are rigorous and have multiple versions to use. *Michelle P.* ”

“ Very comprehensive! I like having the option of AP and non-AP assessments. *Abby M.* ”

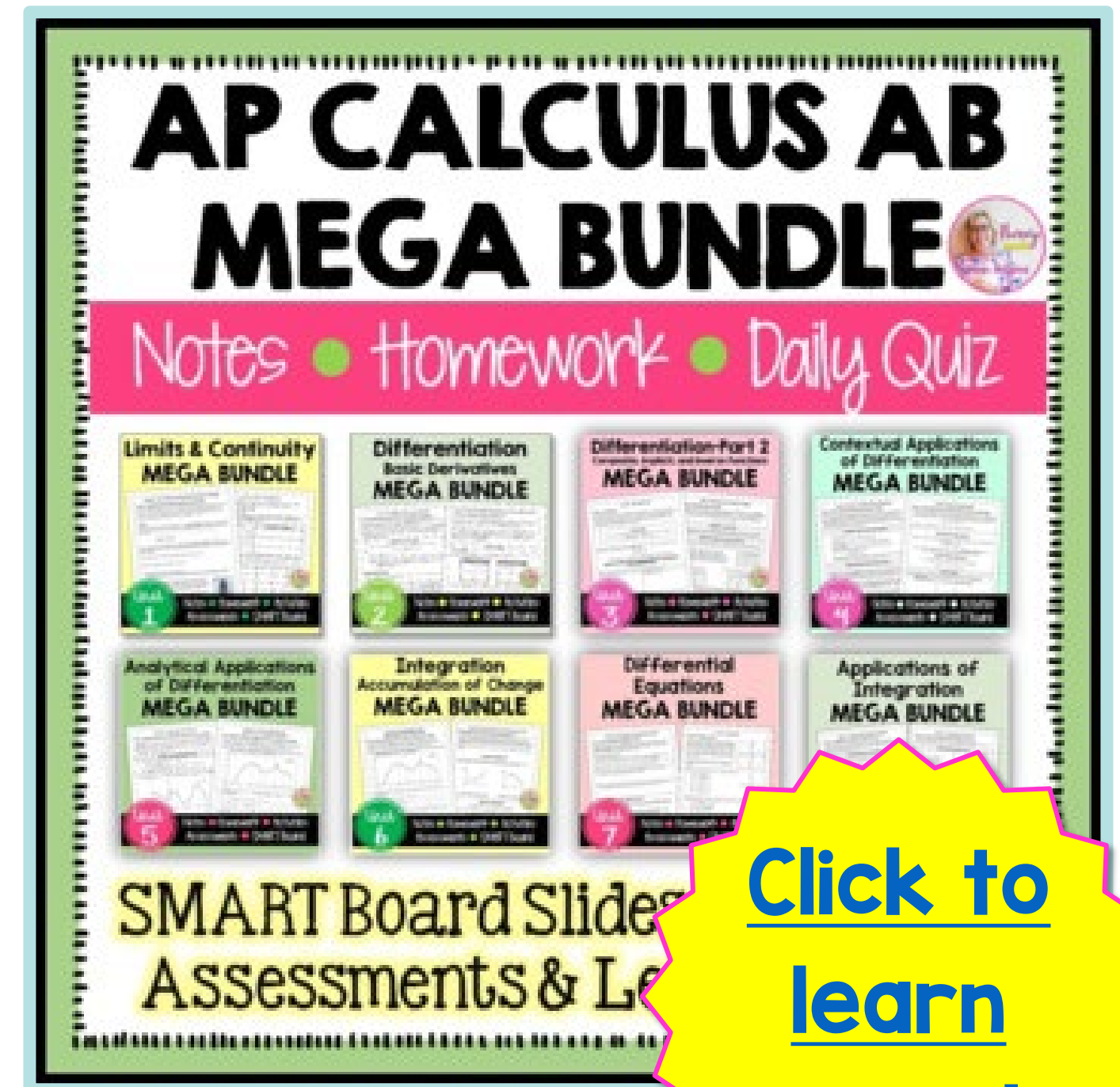
“ I love the way that you set up the test (AP Style) It is hard to find good assessments for the students. Your tests are a big help! *Monica B.* ”

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“Excellent resource to prepare for the AP Calc Exam. Just finished an AP workshop and am really impressed how aligned this bundle is for getting the Calculus taught. Thank you for all the hard work put into it. It's a fabulous resource. *Linda A.*”



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