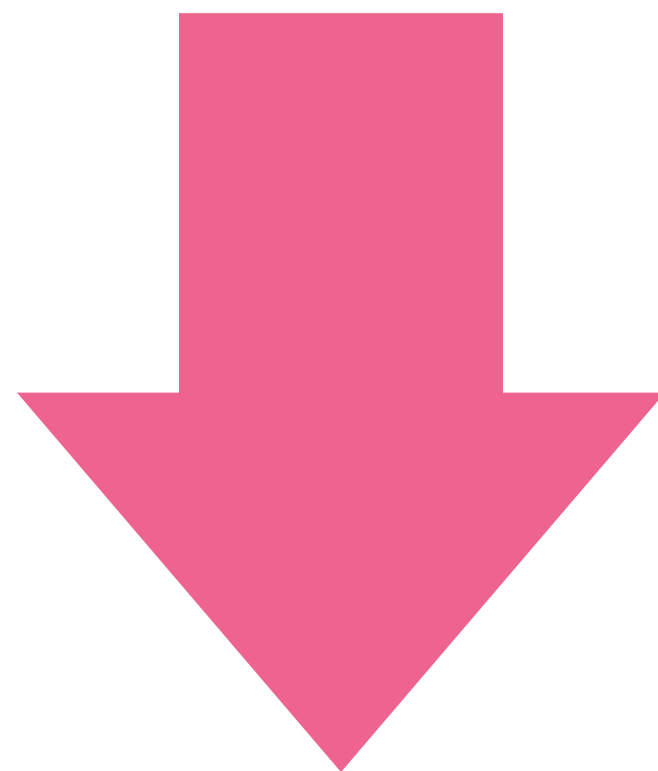


This is the BIG Bundle for AP Calculus AB/BC Differentiation-Part 2, Composite, Implicit, and Inverse Functions.

All new completely-editable
bundle of notes, practice
and more!

Take a
look
inside!



AP[®] Calculus
Differentiation-Part 2
Composite, Implicit, and Inverse Functions

0: Inverse Derivatives by Tables

the table at right to find each of the indicated values below. State the ordered pairs for the inverse function $g^{-1}(x)$ in the column provided.

x	f	g	f'	g'	g^{-1}
-3	2	5	0	4	(5, -3)
0	5	-1	-5	1	(-1, 0)
2	4	-3	1	2	(-3, 2)
4	2	2	-1	-3	(2, 4)

$[g^{-1}(x)]' = \frac{1}{f'(f^{-1}(x))}$ $x=3$

A. Find $[f^{-1}(4)]'$

$$[f^{-1}(4)]' = \frac{1}{f'(f^{-1}(4))}$$
$$= \frac{1}{f'(2)}$$

B. Find $[g^{-1}(-3)]'$

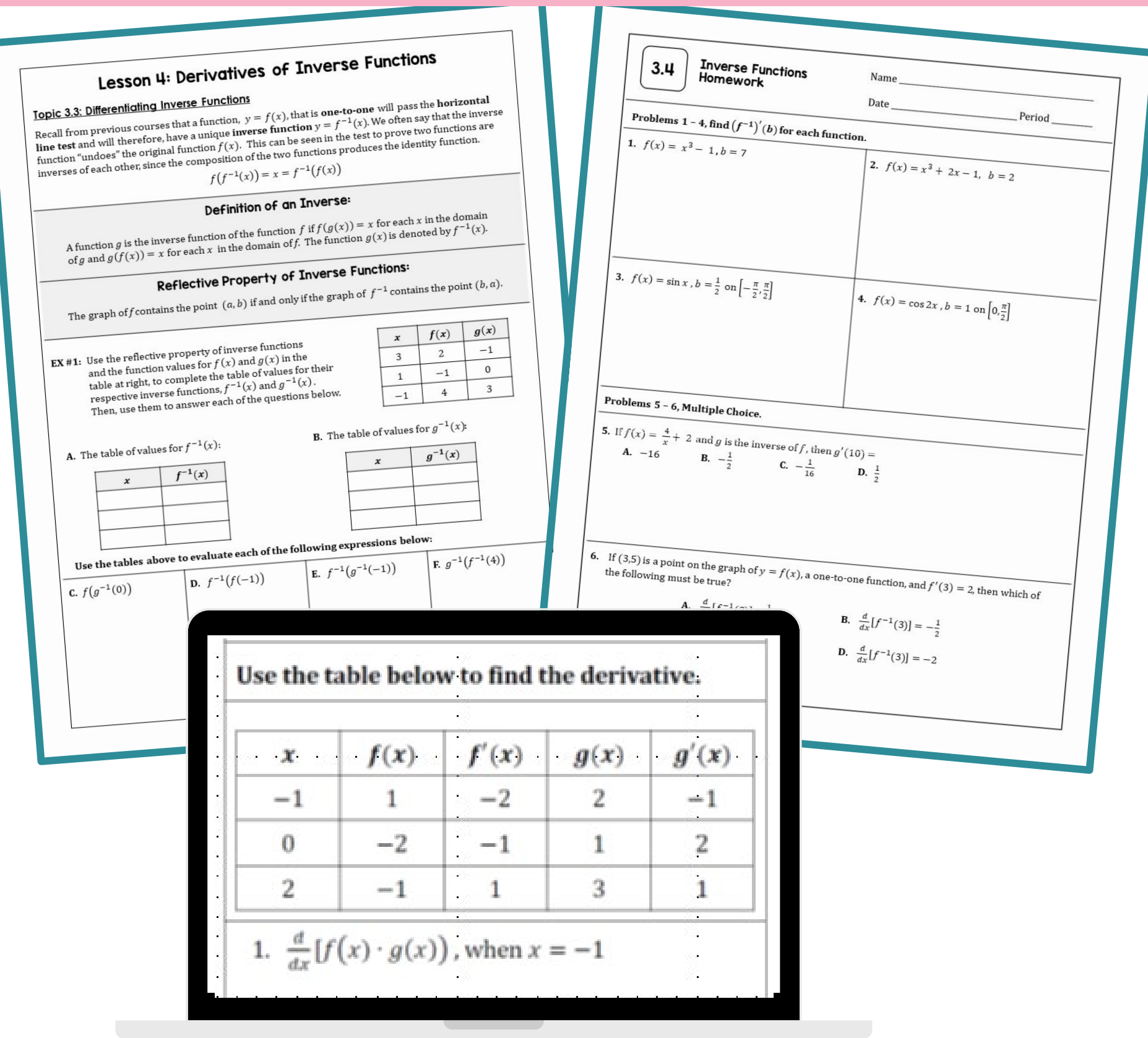
$$[g^{-1}(-3)]' = \frac{1}{g'(g^{-1}(-3))}$$
$$= \frac{1}{g'(2)}$$
$$= \frac{1}{2}$$

BIG Bundle

Completely Editable

3

WHAT IS INCLUDED?



Editable Guided Student Notes, Practice sets, and Daily Quizzes



Google Slides



Video lessons



Assessments & Review

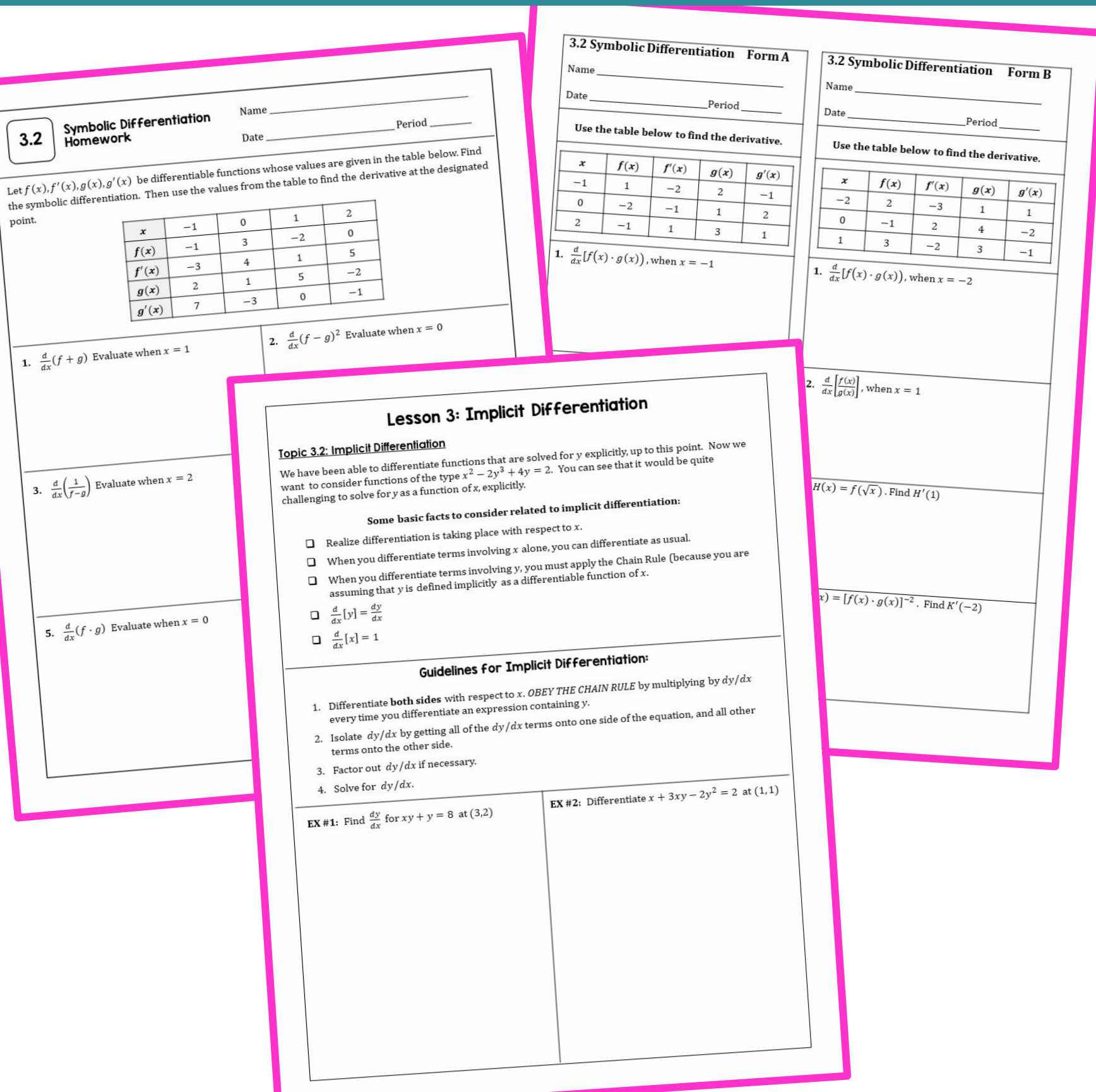


Full solution sets



Scope, Sequence, Pacing

Rigorous lessons and practice sets aligned to course standards is here.



Where do you find extra time to write AP-Style notes and practice sets?



Is your class instruction aligned to the CED learning objectives and topics?



You need resources that will challenge your students to the AP[®] rigor for success.

Flamingo Math will help bring balance into your teacher life!

Cover the Standards

Each lesson will provide you and your students with the skills and learning objectives necessary for success in the AP Environment.

- ❑ You will find an editable scope and sequence document to track the learning objectives for the unit.
- ❑ Each lesson includes Google Slides for your presentation needs.
- ❑ You will also have a **fully-editable version** for every lesson, practice set, daily quiz and assessment.
- ❑ 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

Full Year Curriculum

The MEGA Bundle provides eight units for the entire AP Calculus AB course, including activities, video lessons, presentation tools, and so much more.

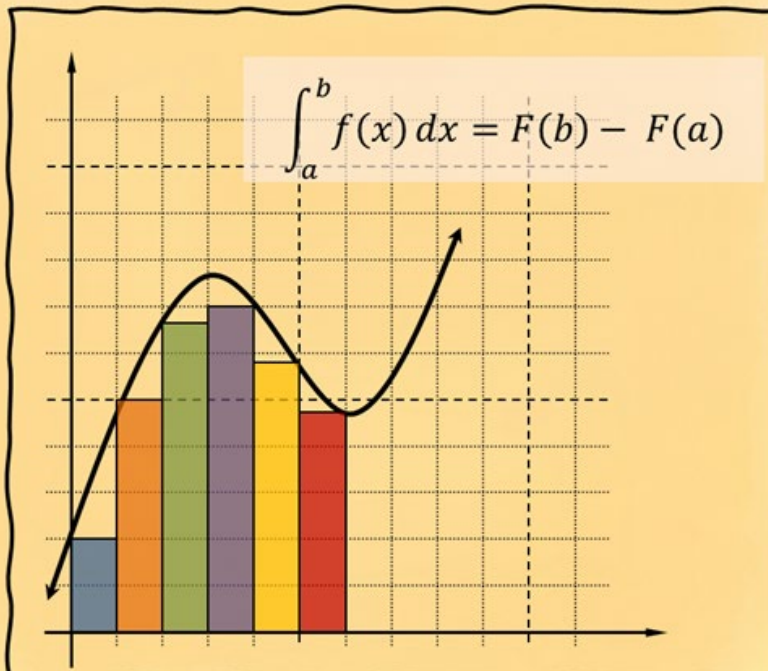
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- Let Flamingo Math help you teach!

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- ☐ SMARTBoard
- ☐ Activities
- ☐ and More



Guided Notes • Practice • Assessments

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