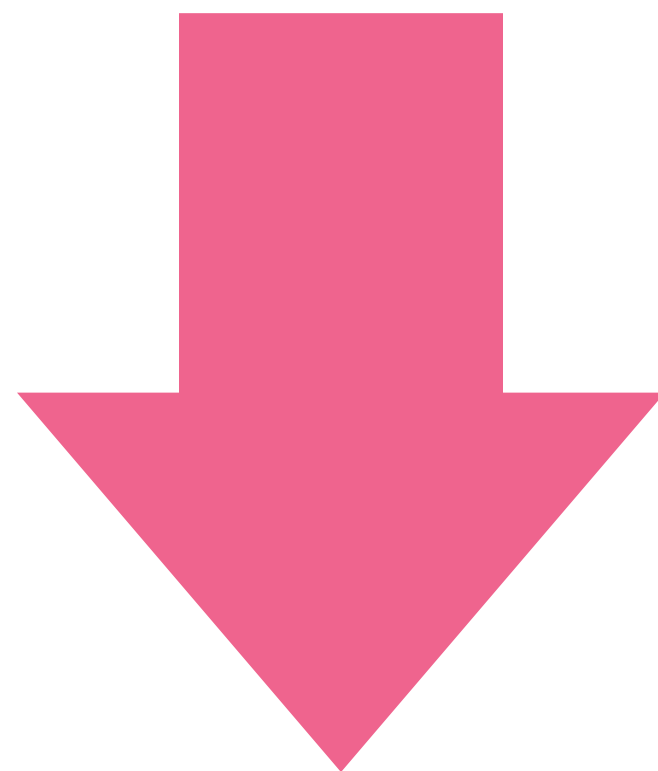


This is the BIG Bundle for AP Calculus BC Integration-The Accumulation of Change.

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

Take a
look
inside!



AP[®] Calculus-BC
Integration
Accumulation of Change

Flamingo MATH
Jean Adams

Repeated Integration by Parts. Do not switch choices for u and dv in successive applications.

EX #8: $\int x^2 \cos x \, dx$

$u = x^2$	$v = \sin x$
$du = 2x \, dx$	$dv = \cos x \, dx$

$u_2 = 2x$	$v_2 = -\cos x$
$du = 2 \, dx$	$dv = \sin x \, dx$

$x^2 \sin x - \int 2x \sin x \, dx \leftarrow \text{Integration by Parts again}$
 $x^2 \sin x - [-2x \cos x - \int -2 \cos x \, dx]$
 $x^2 \sin x + 2x \cos x - 2 \sin x + C$

BIG Bundle
Completely Editable

6

WHAT IS INCLUDED?



Editable Guided Student Notes, Practice sets, and Daily Quizzes



Google Slides



Video lessons



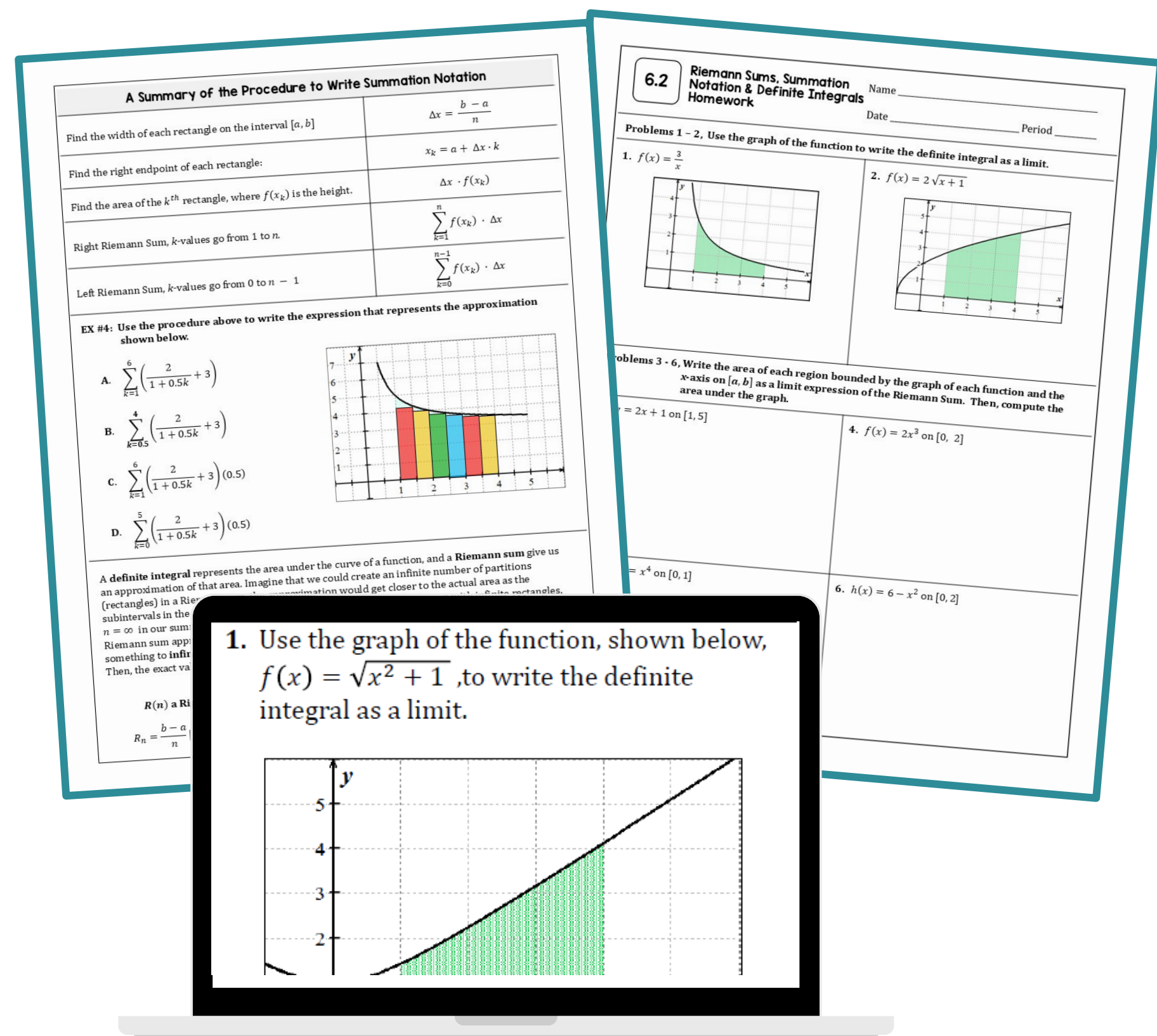
Assessments & Review



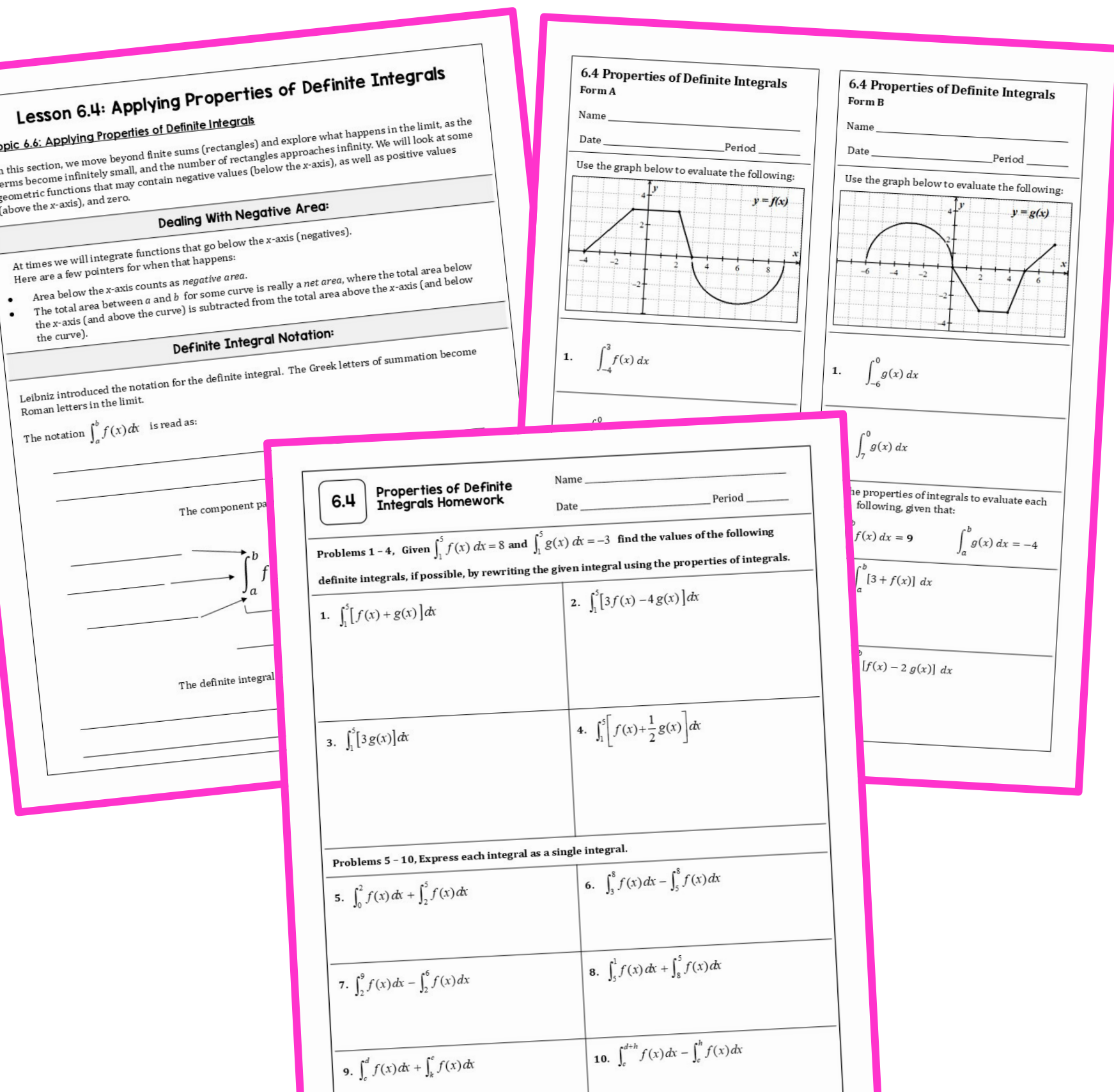
Full solution sets



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 Calc BC lessons and testing schedule.

AP CALCULUS BC CURRICULUM	
Scope and Sequence	
Unit 6: Integration - Accumulation of Change	
Lesson	Skills & Learning Objectives
[6.1] Approximating Area with Riemann Sums	☐ Use Left, Right, and Midpoint Riemann Sums and Trapezoidal Rule to estimate area under a curve
[6.2] Sigma Notation and Riemann Sums	☐ Apply the properties of sequences to write integrals as a limit of right-hand sums.
[6.3] Accumulation Functions	☐ Use FTC to analyze functions, find displacement, total distance, and more.
[6.4] Properties of Definite Integrals	☐ Calculate a definite integral using areas and properties of definite integrals
[6.5] Antiderivatives and Indefinite Integrals	☐ Construct the general anti-derivative of a function through discovery and check approach.
[6.6] The Fundamental Theorem of Calculus	☐ Use the Fundamental Theorem of Calculus to find the definite integral of a function over an interval.
[6.7] Integration by Substitution	☐ Use pattern recognition and change of variables to find indefinite and definite integrals
[6.8] Integrals of Transcendental Functions	☐ Use rules of integration for transcendental functions, including inverse trigonometric rules.
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Full Year Curriculum

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

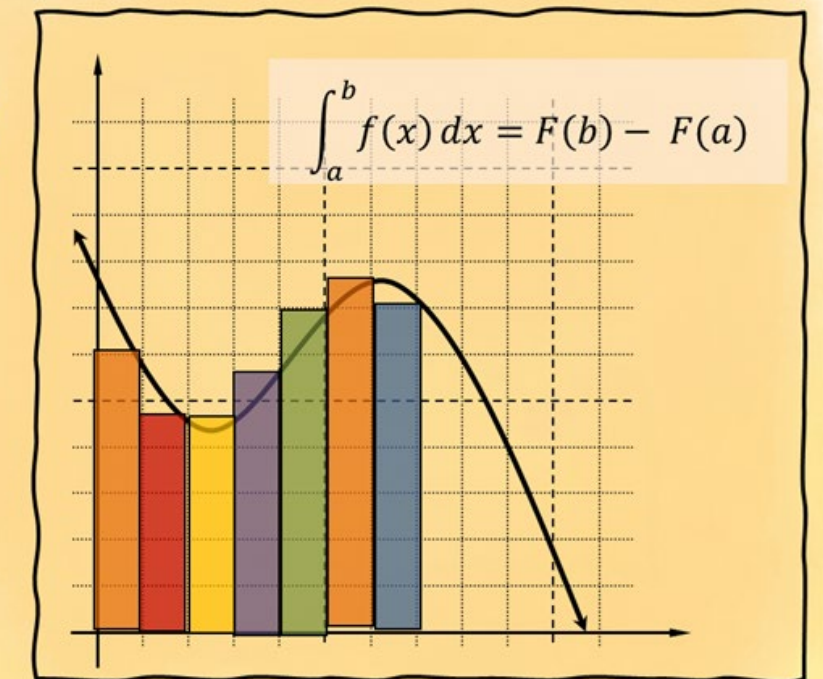
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- Let Flamingo Math help you teach!

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

AP CALCULUS BC MEGA Bundle

Flamingo Math

- ☐ SMARTBoard
- ☐ Activities
- ☐ and More



Guided Notes • Practice • Assessments

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