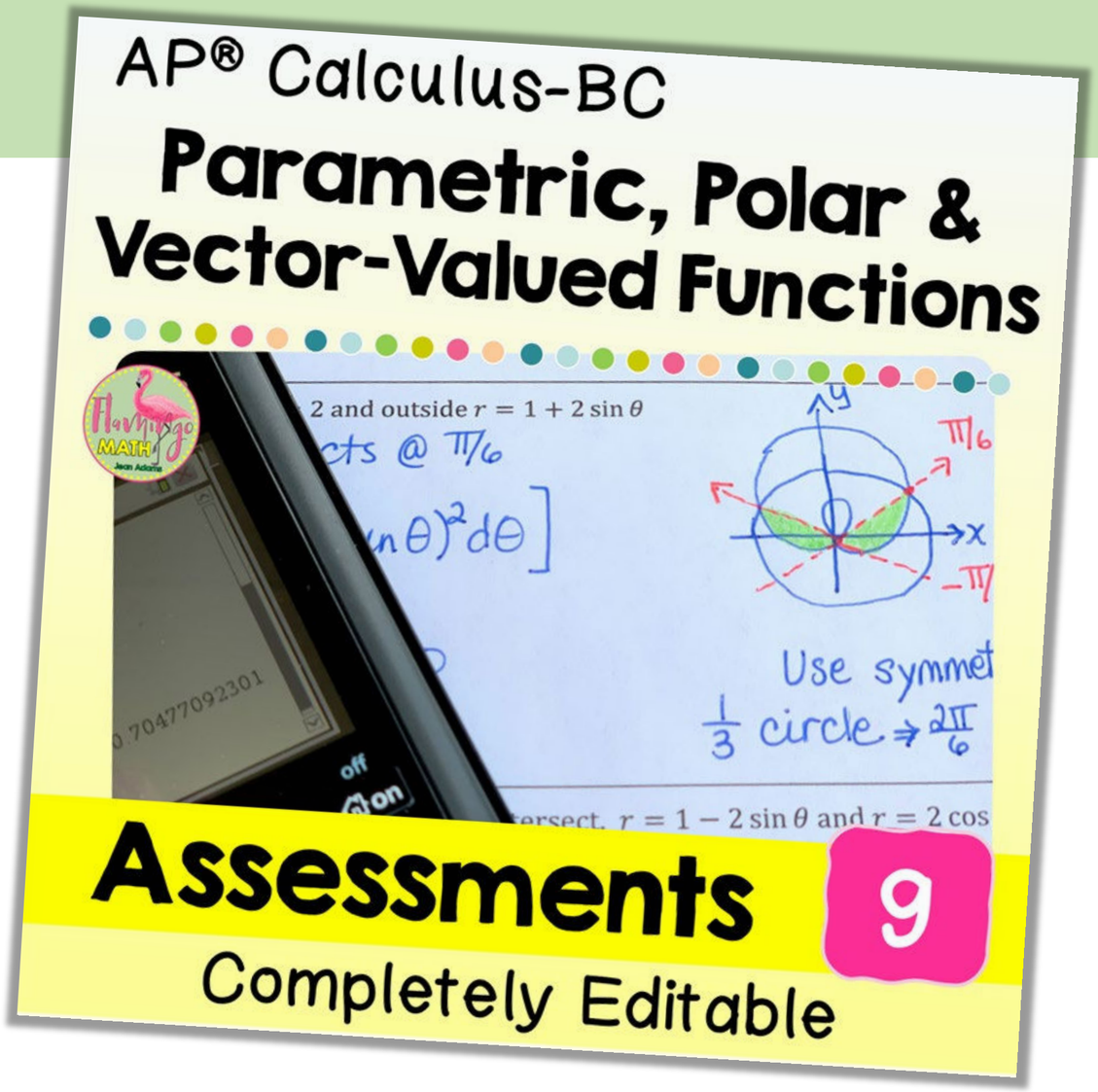
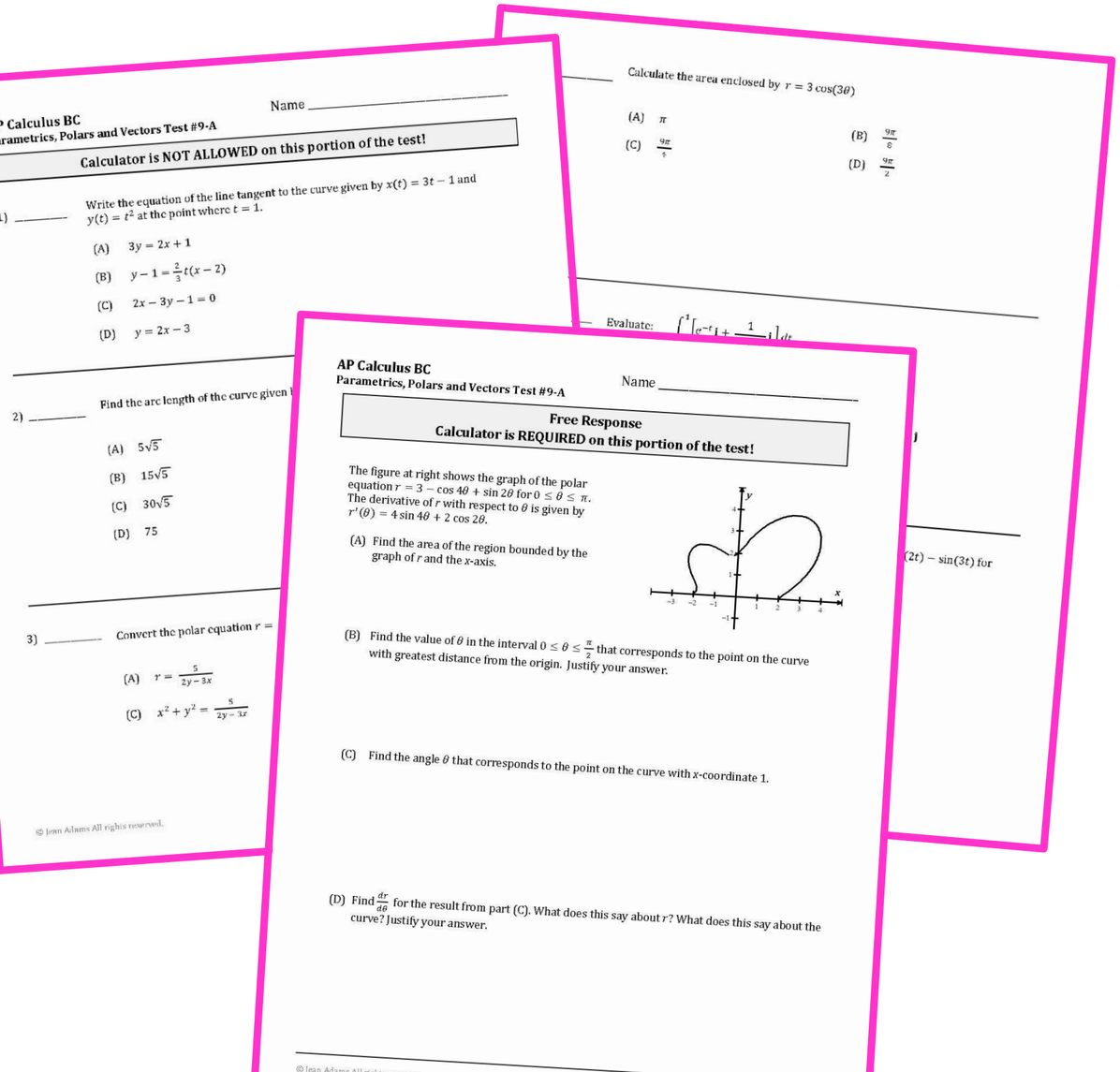
Are you searching for AP-Style Assessments?

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

Take a look inside!



Rigorous assessments aligned to course standards is here.

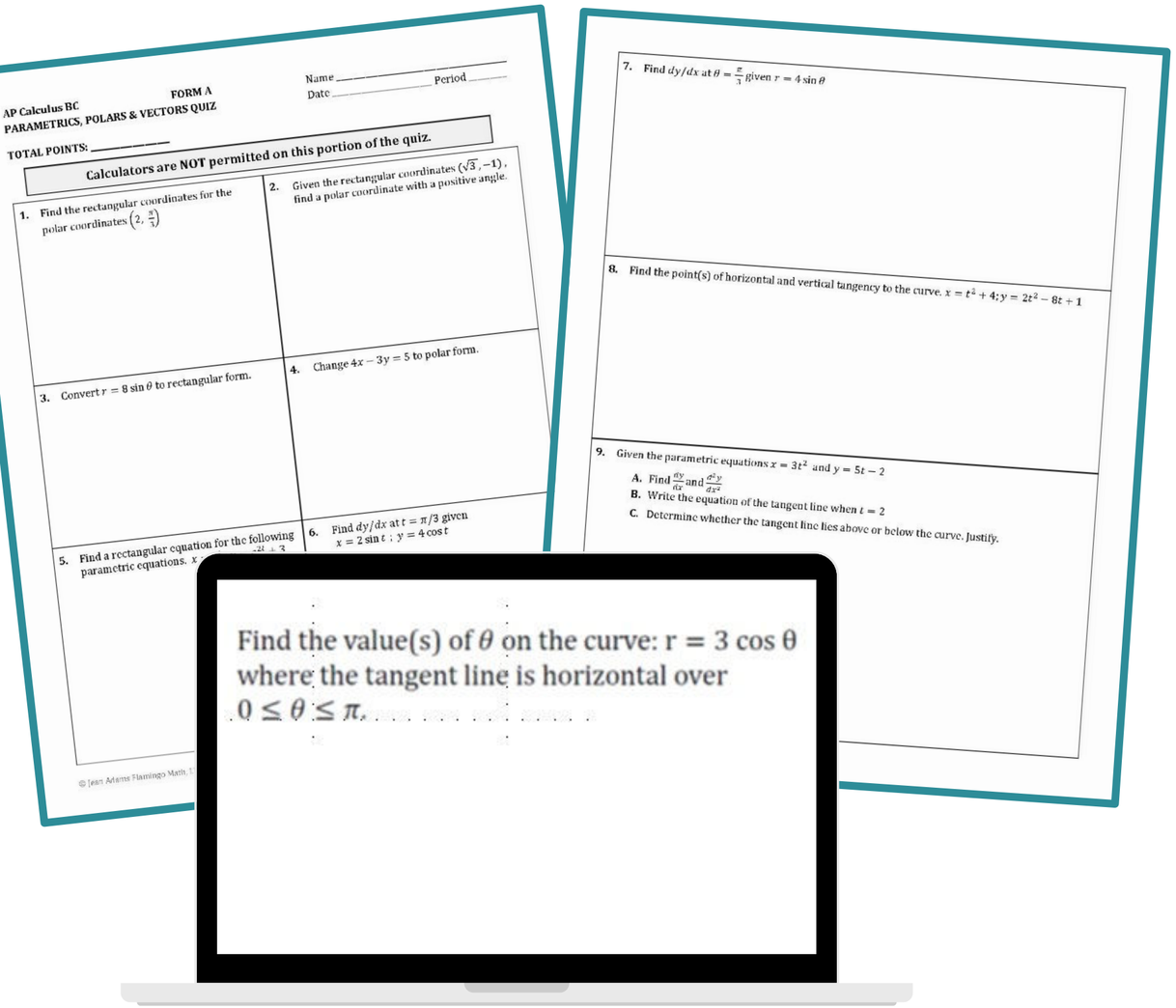


- Where do you find extra time to write AP-Style assessments?
- Is your class instruction aligned to the new learning objectives and topics?
- You need assessments that will challenge your students to the AP® rigor for success.

Flamingo Math will be your silent testing partner!

Flamingo Math by Jean Adams

WHAT IS INCLUDED?



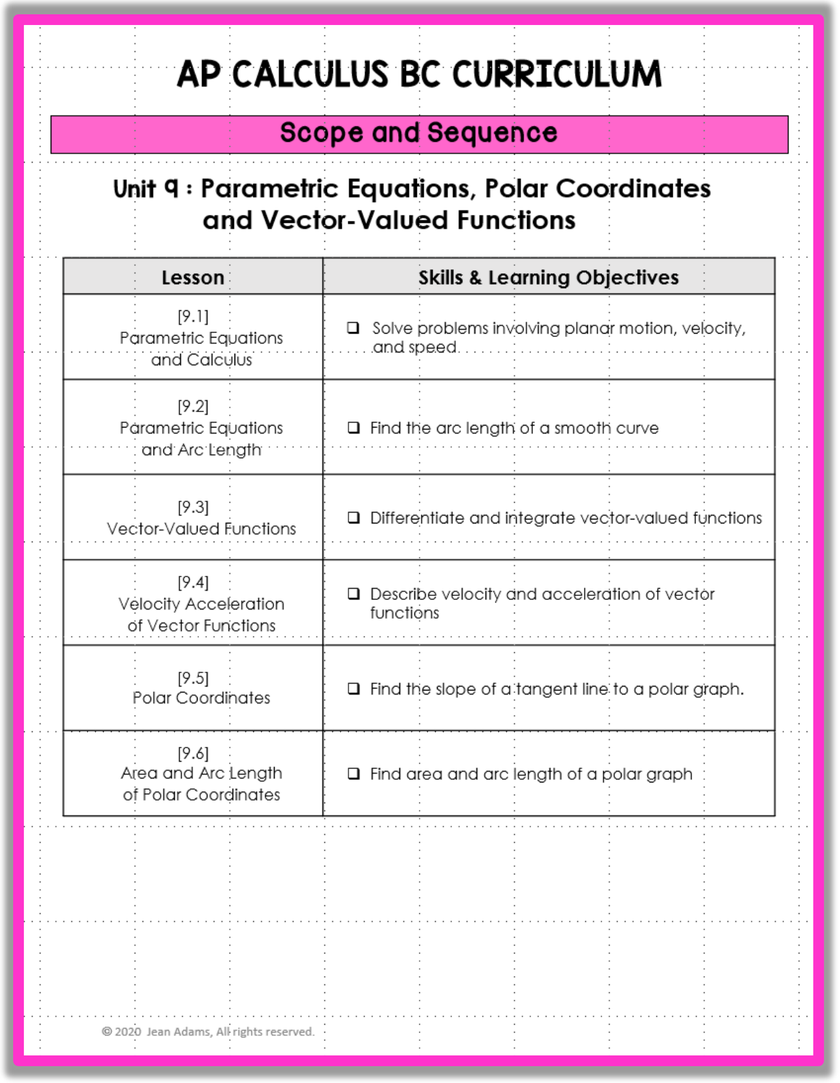
- Editable Review assignments
- Editable assessments
- Full solution sets
- Extra Practice Topics
- Scope and Sequence

Flamingo Math by Jean Adams

Cover the Standards

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

- ❑ You will find a scope and sequence document to track the learning objectives for the unit.
- ❑ Each quiz and test is available in two unique forms.
- ❑ You will also have a ***fully-editable version*** for every review, quiz and test to create extra assessment tools.
- ❑ A pacing guide for BC lessons and testing schedule.



AP CALCULUS BC CURRICULUM

Scope and Sequence

Unit 9 : Parametric Equations, Polar Coordinates and Vector-Valued Functions

Lesson	Skills & Learning Objectives
[9.1] Parametric Equations and Calculus	❑ Solve problems involving planar motion, velocity, and speed
[9.2] Parametric Equations and Arc Length	❑ Find the arc length of a smooth curve
[9.3] Vector-Valued Functions	❑ Differentiate and integrate vector-valued functions
[9.4] Velocity Acceleration of Vector Functions	❑ Describe velocity and acceleration of vector functions
[9.5] Polar Coordinates	❑ Find the slope of a tangent line to a polar graph.
[9.6] Area and Arc Length of Polar Coordinates	❑ Find area and arc length of a polar graph

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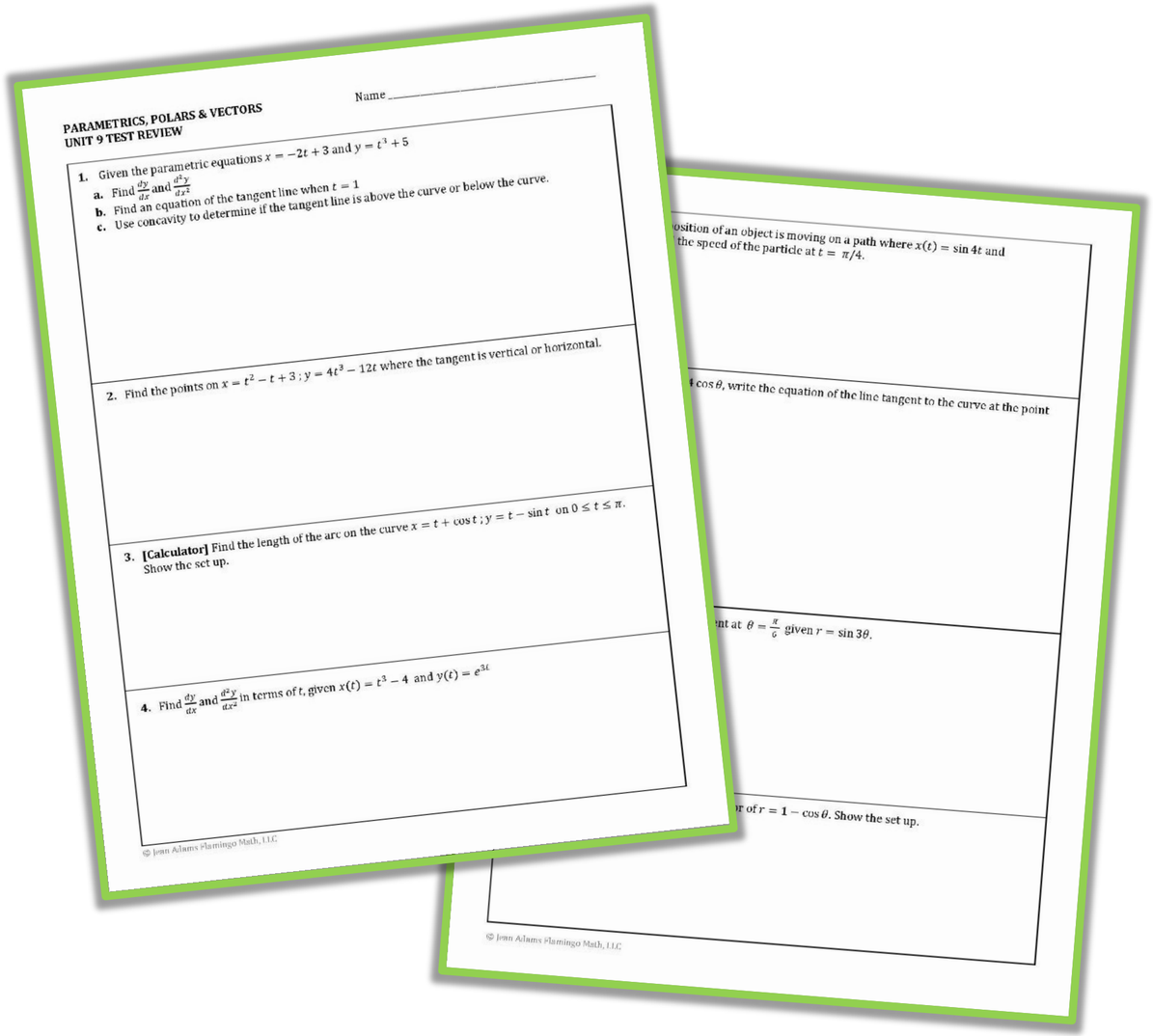
Early Reviews from Happy Teachers!



PARAMETRICS, POLARS & VECTORS
UNIT 9 TEST REVIEW

Name _____

1. Given the parametric equations $x = -2t + 3$ and $y = t^3 + 5$
   a. Find $\frac{dy}{dx}$ and $\frac{d^2y}{dx^2}$
   b. Find an equation of the tangent line when $t = 1$
   c. Use concavity to determine if the tangent line is above the curve or below the curve.

2. Find the points on $x = t^2 - t + 3\,; y = 4t^3 - 12t$ where the tangent is vertical or horizontal.

3. **[Calculator]** Find the length of the arc on the curve $x = t + \cos t\,; y = t - \sin t$ on $0 \le t \le \pi$. Show the set up.

4. Find $\frac{dy}{dx}$ and $\frac{d^2y}{dx^2}$ in terms of t, given $x(t) = t^3 - 4$ and $y(t) = e^{3t}$

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...osition of an object is moving on a path where $x(t) = \sin 4t$ and ... the speed of the particle at $t = \pi/4$.

...$4\cos\theta$, write the equation of the line tangent to the curve at the point

...nt at $\theta = \frac{\pi}{6}$ given $r = \sin 3\theta$.

...r of $r = 1 - \cos\theta$. Show the set up.

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> “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.*”

Full Year Curriculum

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

- Save over 20% when you purchase the full year curriculum bundle.
- Let Flamingo Math help you teach!

> “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 fir all the hard work put into it. It’s a fabulous resource. *Linda A.*”

