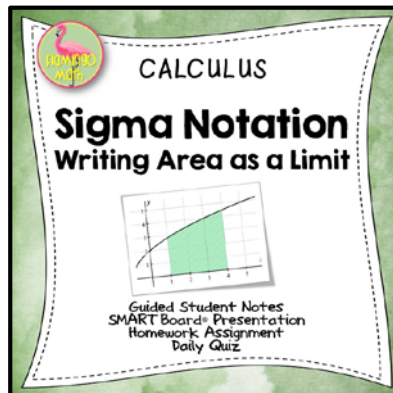


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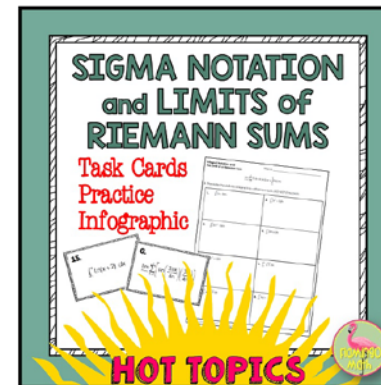
Sigma Notation and Limits of Riemann Sums is a skill our Calculus students need.

Here is a free HOT TOPICS INFOGRAPHIC:

- Students can use the infographic as a page in their Interactive Notebook.
- Copy on card stock and laminate to be used as a bookmark or reference card while working through your lesson.
- Students can create a collection of HOT TOPICS for review at the end of the course.



Do you need a full lesson on this topic? Be sure to check out my [Calculus products](#):



Read my blog post for:

[Riemann Sums: The Struggle is Real](#)



# HOT TOPICS: SIGMA NOTATION AND LIMITS

## SIGMA NOTATION and LIMITS of RIEMANN SUMS

Function  
(base of rectangle)  
 $2x + 5$

Custom value of  $x$

Width of base

$$\lim_{n \rightarrow \infty} \sum_{i=1}^n \left[ 2 \left( \frac{6i}{n} - 2 \right) + 5 \right] \left( \frac{6}{n} \right) = \int_{-2}^4 (2x + 5) dx$$

"a" value,  
lower limit of  
summation

$b - a = 6$   
 $b = 4$

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**Directions:** There are two HOT TOPICS per page. Print the HOT TOPIC on paper or card stock. Then, cut each one out individually. These can be used as a laminated bookmark, or as a notebook foldable.

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I have a passion and drive to create rigorous, engaging lessons of the highest quality for teachers and students. My products include guided notes, [Foldables](#),<sup>©</sup> SMART Board<sup>©</sup> lessons, games, activities, homework, assessments, and so much more. My resources are focused on three courses for your honors students.

[Algebra 2](#), [Pre-Calculus](#), and [Calculus](#).



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