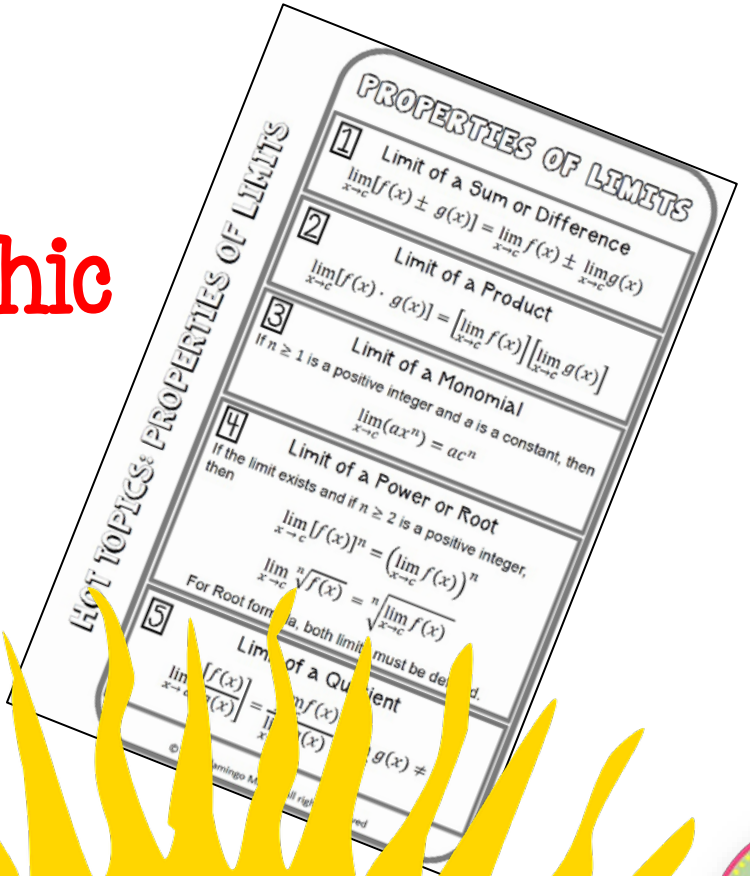
PROPERTIES OF LIMITS

Infographic



HOT TOPICS

Flamingo Math

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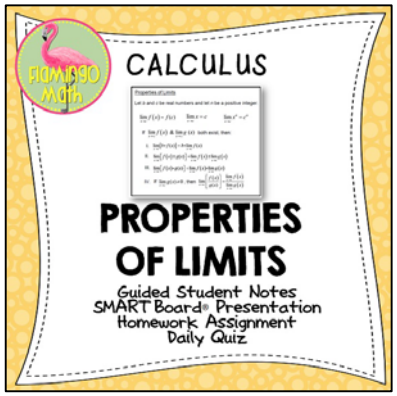
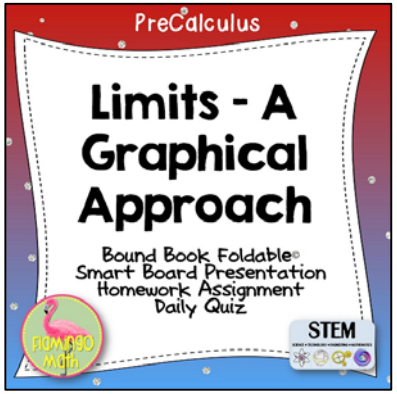
Properties of Limits is a skill that both PreCalculus and Calculus students need.

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 Precalculus products and my Calculus products:



Read my blog post for:

3 Tips Before Teaching Limits

HOT TOPICS: PROPERTIES OF LIMITS

PROPERTIES OF LIMITS

1 Limit of a Sum or Difference

$$\lim_{x\to c}[f(x) \pm g(x)] = \lim_{x\to c} f(x) \pm \lim_{x\to c} g(x)$$

2 Limit of a Product

$$\lim_{x\to c}[f(x) \cdot g(x)] = \left[\lim_{x\to c} f(x)\right]\left[\lim_{x\to c} g(x)\right]$$

3 Limit of a Monomial

If $n \geq 1$ is a positive integer and *a* is a constant, then

$$\lim_{x\to c}(ax^n) = ac^n$$

4 Limit of a Power or Root

If the limit exists and if $n \geq 2$ is a positive integer, then

$$\lim_{x\to c}[f(x)]^n = \left(\lim_{x\to c} f(x)\right)^n$$

$$\lim_{x\to c}\sqrt[n]{f(x)} = \sqrt[n]{\lim_{x\to c} f(x)}$$

For the Root formula, both limits must be defined.

5 Limit of a Quotient

$$\lim_{x\to c}\left[\frac{f(x)}{g(x)}\right] = \frac{\lim_{x\to c} f(x)}{\lim_{x\to c} g(x)} ; \lim_{x\to c} g(x) \neq 0$$

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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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