

INTRODUCTION to SLOPE FIELDS

Infographic

HOT TOPICS: SLOPE FIELDS

HOW TO DISTINGUISH BETWEEN SLOPE FIELDS:

- 1 Look for places where the slopes are zero or undefined.
 $\frac{dy}{dx} = 0$ $\frac{dy}{dx} = DNE$
- 2 Look at the slopes along the x-axis and the y-axis.
- 3 Do the slopes depend only on x, only on y, or both?
If it's only changing on one variable then the rate (dy/dx) will only contain that variable.
- 4 Look to see where the slopes are positive and where they are negative.
- 5 Try Random Points
As a last resort, plug in random points such as, (1, 1), (1, -1), (-1, 1), and (-1, -1).

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HOT TOPICS

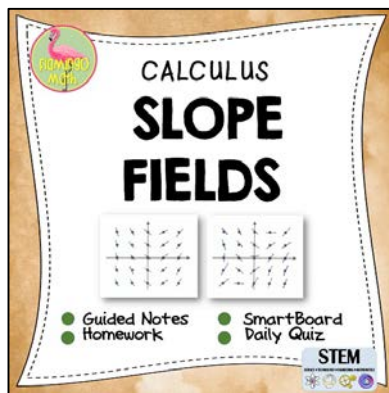


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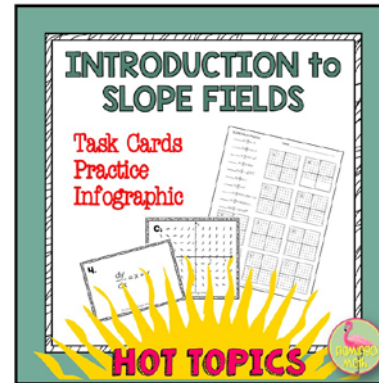
Introduction to Slope Fields is a skill our Calculus students need.

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.

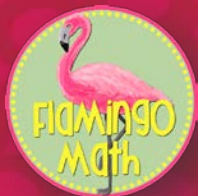


Do you need a full lesson on this topic? Be sure to check out my [Calculus products](#):



Read my blog post for:

[3 Big Ideas to Introduce Slope Fields](#)



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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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