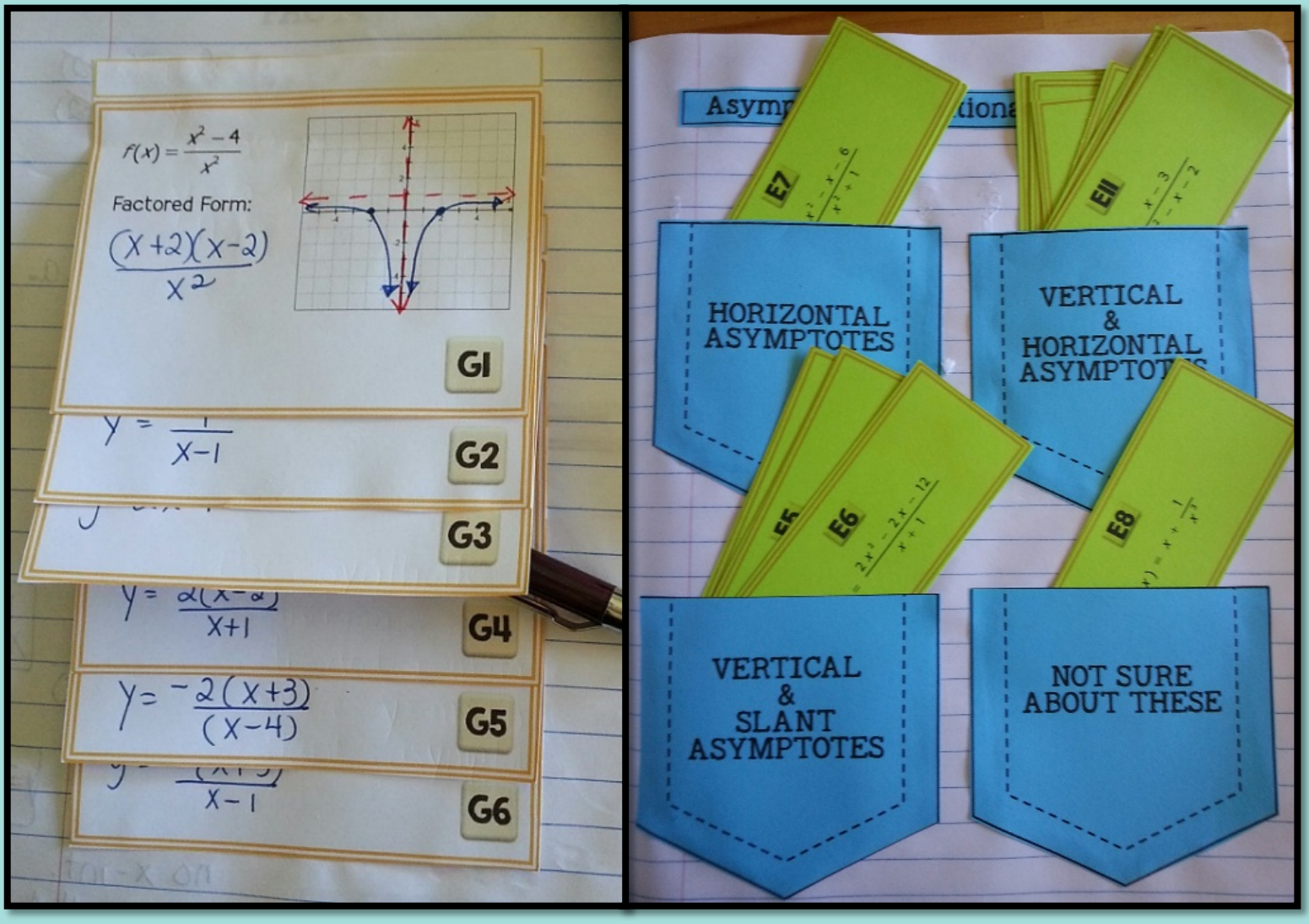
Graph & Analyze Discovery



Rational Functions

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Rational Functions Graph & Analyze Discovery Activity

This is an activity with 18 task cards meant for **Polynomial and Rational Functions** in PreCalculus or **Rational Functions** in Algebra 2. You will find Interactive Notebook pages, Asymptotes, Rules & Card Sort, Graph Paper and more.

First, students work through an assigned rational function on the **Four-Tab Notebook Foldable®**, inspired by the work of Dinah Zike, and used with permission. To help with differentiated instruction, students are encouraged to develop the concepts cooperatively by using the cut and paste clues as information to help them in their discovery.

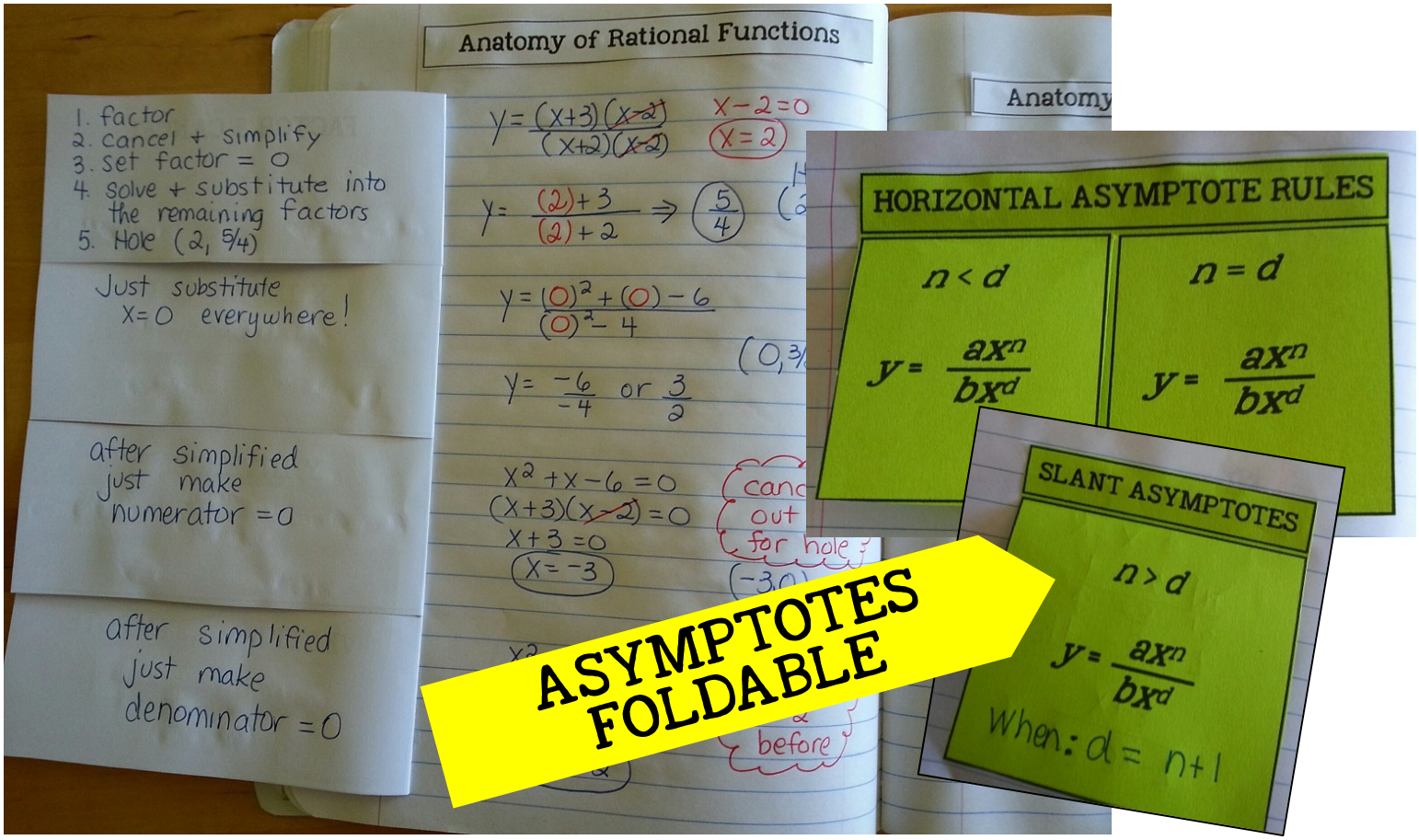
Next, are six cards for your students' **Interactive Notebook** to aid in the discovery for a procedure which can help them in analyzing rational functions. Each graph card contains a rational function that has a variety of features, including, holes, vertical asymptotes, and horizontal asymptotes.

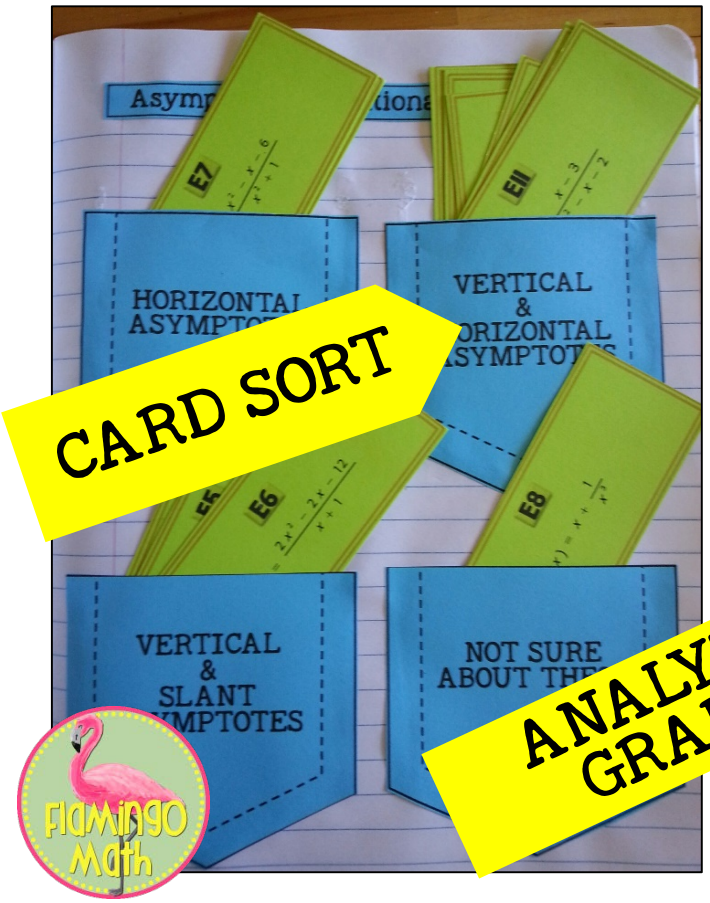
Finally, there is a **Three-Tab Notebook Foldable** for writing the rules to find horizontal and slant asymptotes. This can be done after students use their graphing calculator to investigate and search for the rules using 12 equation cards. They will have 4 pocket foldables for storing the cards in their notebooks to use as review at the end of the unit.

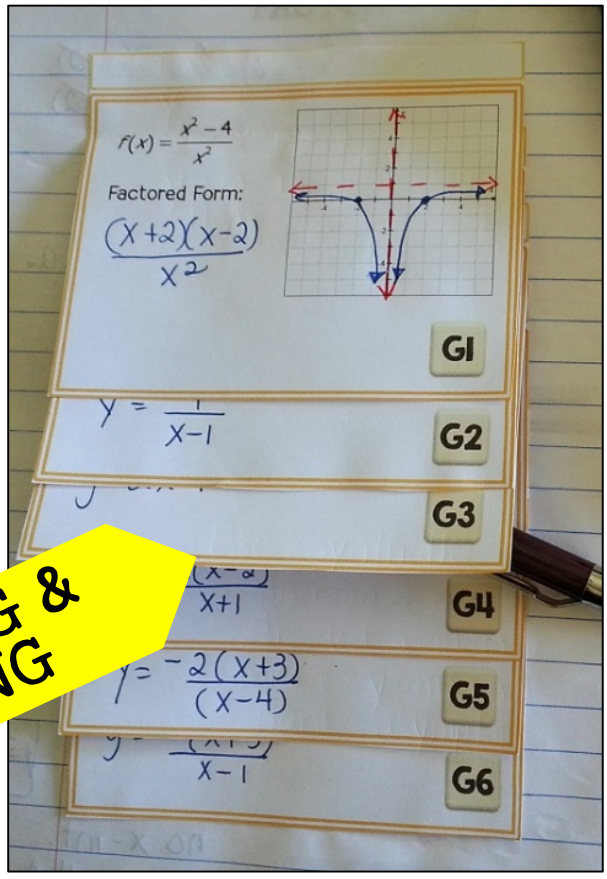
EXTRA: You will also find a sheet of graph paper for extra practice, two different options for the asymptote rules foldable, and an added bonus practice worksheet.

EXTENSION: You can have students graph the 12 equation cards for an extension activity.

Analyzing Rational Functions







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My goal is to help you bring balance into your teacher life by providing relevant content, engaging activities, and comprehensive assessments for your high-stakes math course.

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