

## Explorations of Vertical, Horizontal, and Oblique Asymptotes

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In this article, we describe how students' understanding of vertical, horizontal, and oblique asymptotes of rational expressions and of functions composed of radicals can be deepened through the use of an online graphing utility. This material could be used to supplement the content of precalculus and first-semester calculus courses.

Keywords: asymptote, rational expression, radical expression, precalculus, calculus



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