

Rational Functions *Memory (Concentration) Game*

12 pairs

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Purpose:

This game/activity provides your students the opportunity to practice matching the equation of a rational function to its graph.

This is done primarily by identifying the function's **zeros & vertical/horizontal asymptotes**.

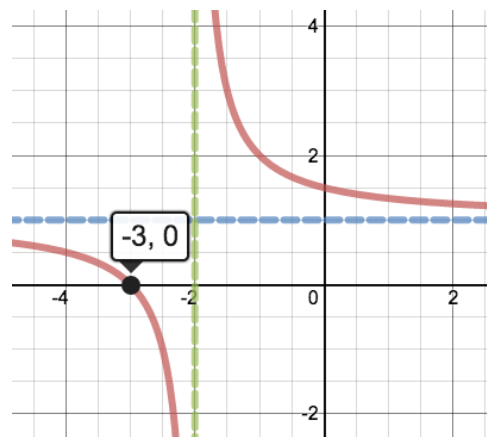
Great activity for remediation or further enrichment.

Students enjoy the competition while reinforcing the necessary skills for graphing rational functions.

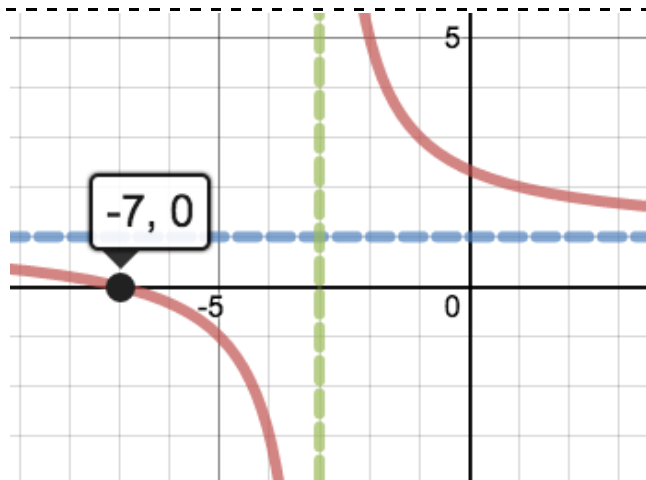
Printing Instructions:

- 1. Print on WHITE cardstock paper – print in color for best results*
- 2. Cut out each square and laminate for preservation and reuse*

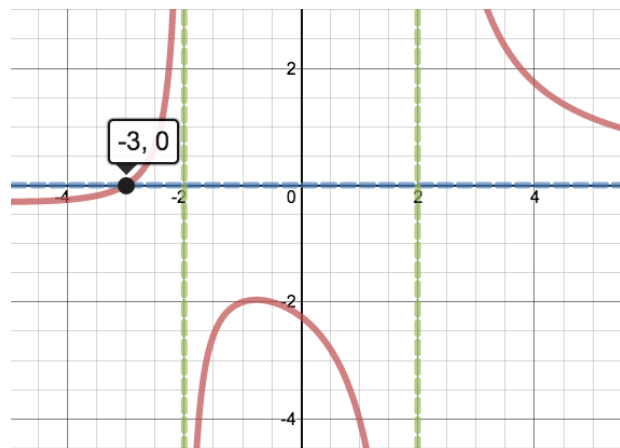
$$y = \frac{1}{x + 2} + 1$$



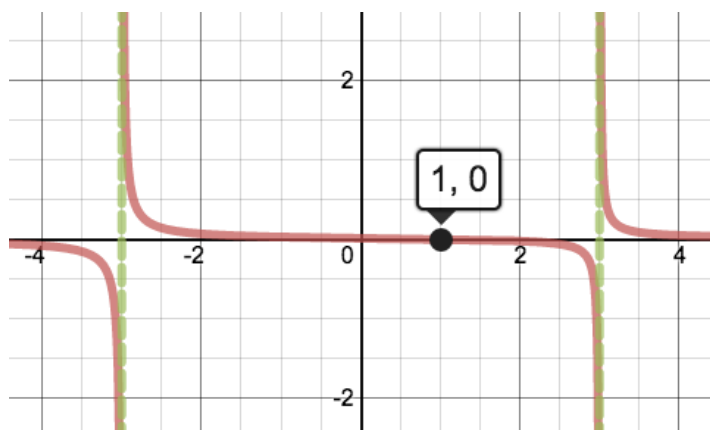
$$y = \frac{x + 7}{x + 3}$$



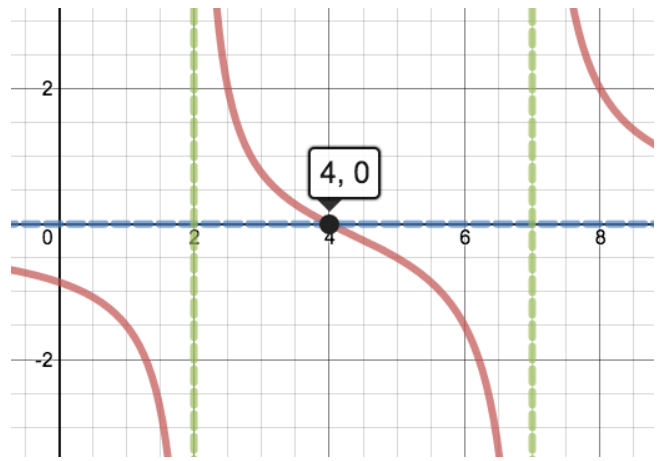
$$y = \frac{3x + 9}{x^2 - 4}$$



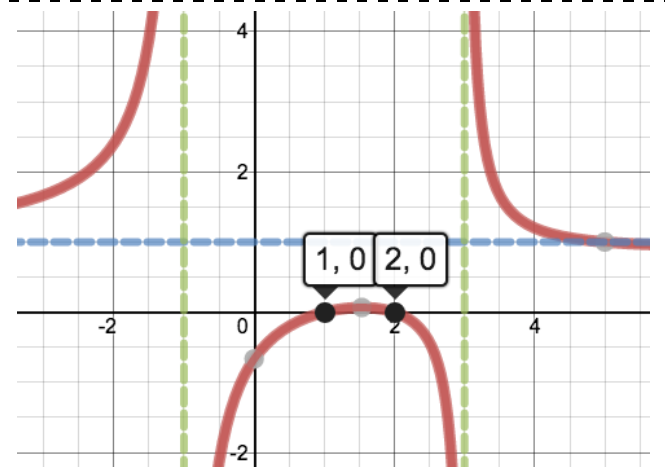
$$y = \frac{x - 1}{9x^2 - 81}$$



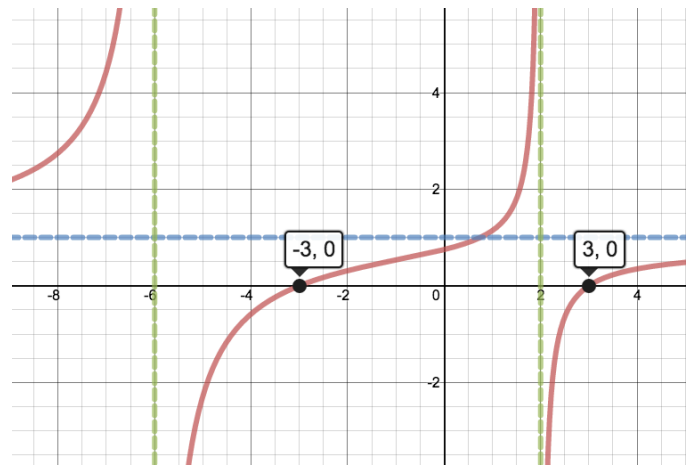
$$y = \frac{3x - 12}{x^2 - 9x + 14}$$



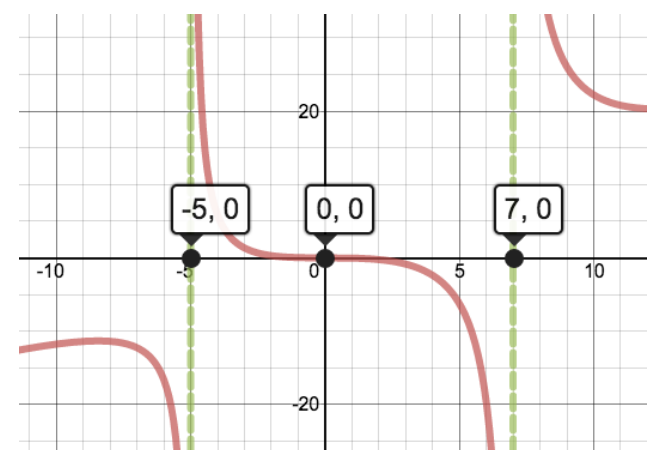
$$y = \frac{x^2 - 3x + 2}{x^2 - 2x - 3}$$



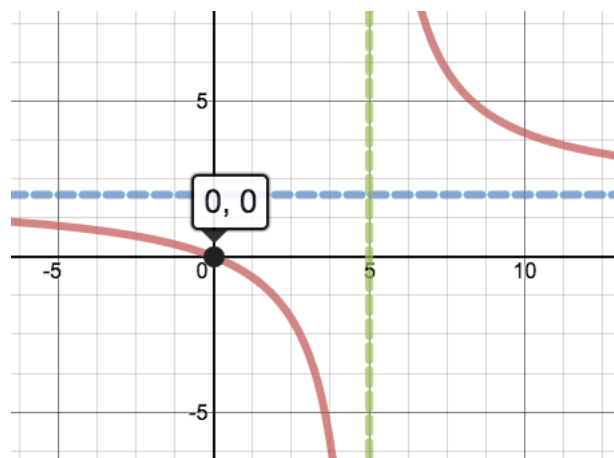
$$y = \frac{x^2 - 9}{x^2 + 4x - 12}$$



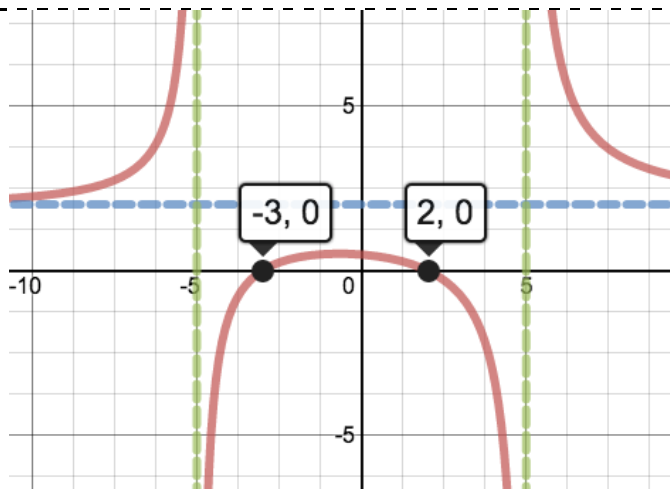
$$y = \frac{x^3}{x^2 - 2x - 35}$$



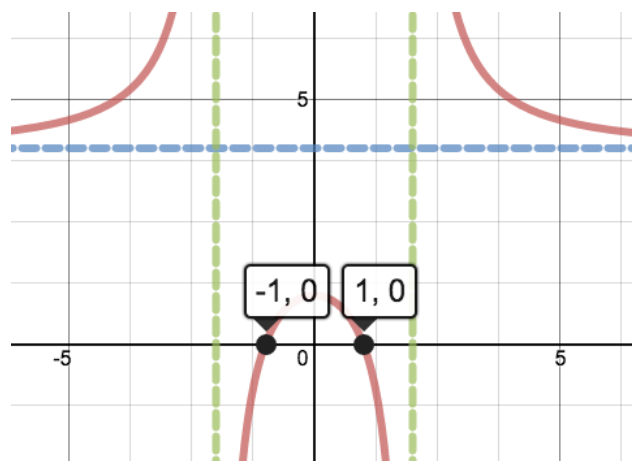
$$y = \frac{4x}{2x - 10}$$



$$y = \frac{2x^2 + 2x - 12}{x^2 - 25}$$



$$y = \frac{16x^2 - 16}{4x^2 - 16}$$



$$y = \frac{x^2 - 2x - 15}{x^2 - 2x + 1}$$

