Graphing Other Rational Functions

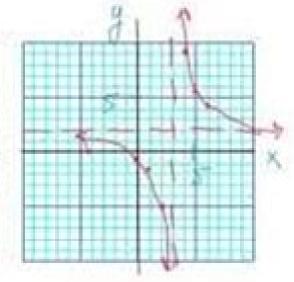
All rational functions of the form $y = \frac{ax + b}{cx + d}$ also have graphs that are hyperbolas.

The vertical asymptote of the graph is the line s = - d because the function in undefined when the describation is a d in zero.

the door two

The horizontal asymptote is the line y ± ^d_x.

X	у
0	-,5
	+1.5
2	-5
- 3	><
- 4	9 -
5	5.5



EXAMPLE 3

Graphing a Rational Function of the

Form
$$y = \frac{ax + b}{cx + d}$$

Graph $f(x) = \frac{2x + 1}{x - 1}$. Steam the domain and range.



How To Graph Mixed Rationals

S Ben Porath

How To Graph Mixed Rationals:

How To Graph Mixed Rationals Book Review: Unveiling the Power of Words

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