

Advanced Math

2-7
(Day 2)

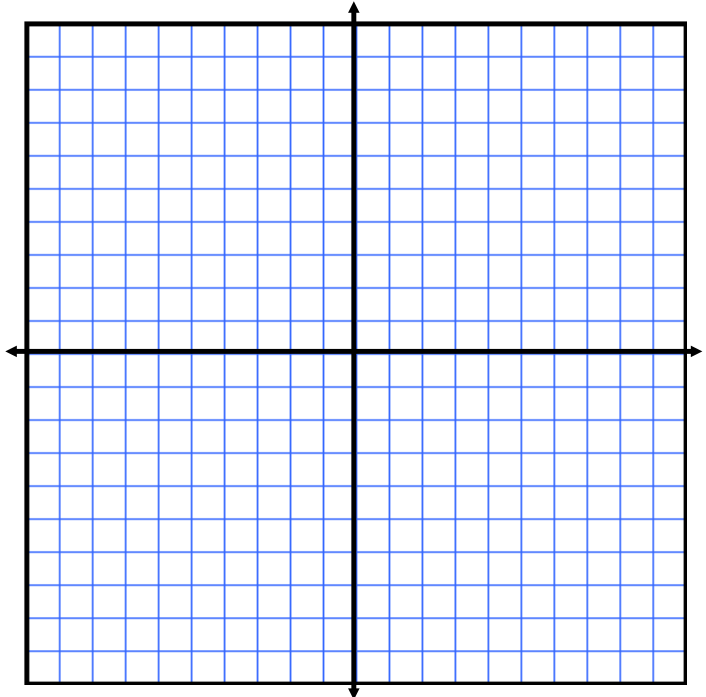
Slant Asymptotes

slant asymptotes: Given the rational function $f(x) = \frac{p(x)}{q(x)}$

a:

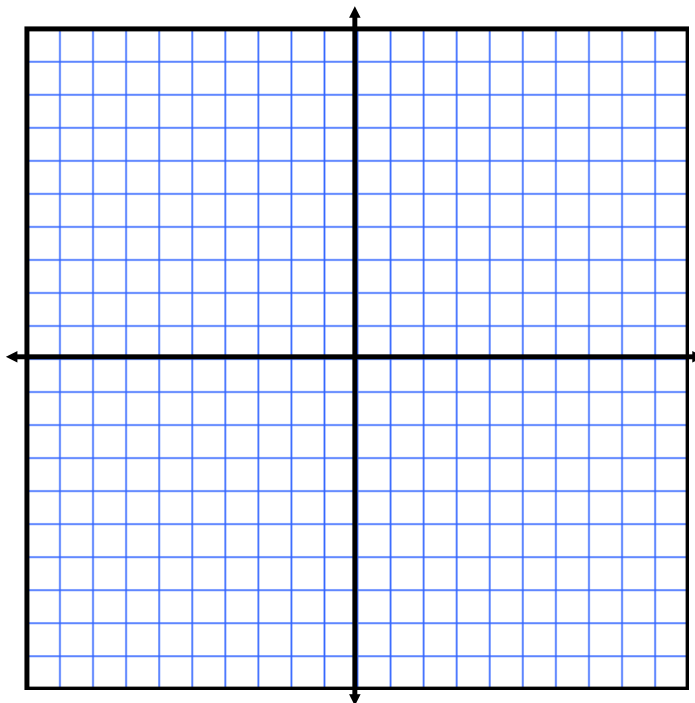
Sketch the graph of the rational function. As sketching aids, use zeros, y-intercepts, asymptotes, and symmetry.

$$73) f(x) = \frac{x^3}{x^2 - 1}$$



Sketch the graph of the rational function. As sketching aids, use zeros, y-intercepts, asymptotes, and symmetry.

$$*) f(x) = \frac{x^2 + x - 6}{x^2 + 5x + 6}$$



Assignment

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50-54 even,

70-74 even,

$$H1) H(x) = \frac{x^2 - x - 12}{x^2 + x - 20}$$

$$H2) R(x) = \frac{x^3 + 2x^2 - 5x - 6}{x^2 - 4}$$