

Name _____

Date _____

Graphing Rational Functions Prompted Practice Sheet

Graph the rational functions below.

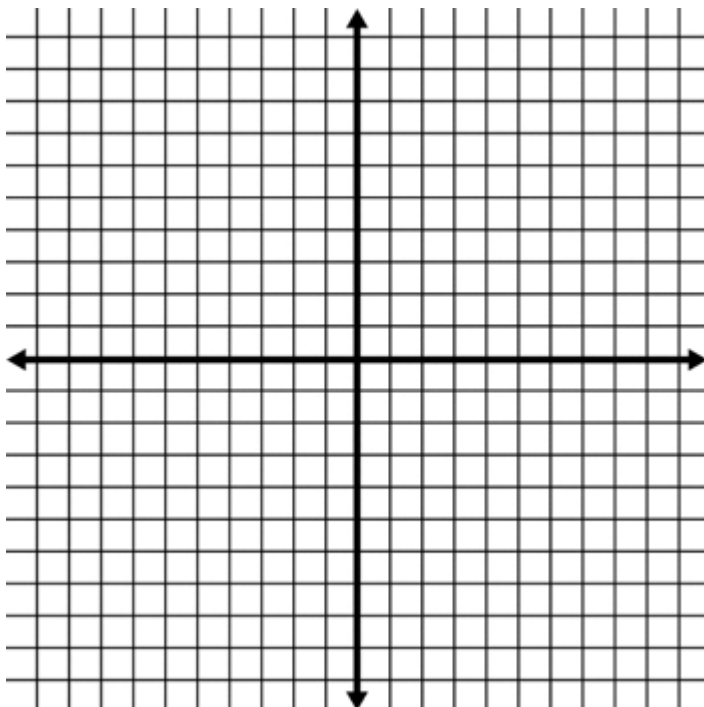
$$f(x) = \frac{2 + 2x}{x + 2}$$

Step 1) Find the x and y intercept.

Step 2) Identify the Vertical Asymptotes

Step 3) Identify the Horizontal Asymptote

Step 4) Sum up what we know already on the graph.



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Step 5) Pick a number of x-values to plot and work them through.

x-value	Plug into $\frac{2+2x}{x+2}$	y-value

Step 6) Plot all the points and connect them to show curves.

