

Calculus Classwork

Your Name: _____

Sketch the graph of the function and provide the required information.

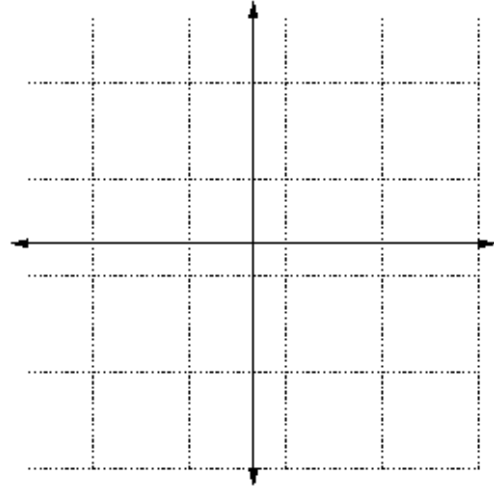
1. $f(x) = \frac{x-2}{x+1}$

domain

range

increasing

decreasing



Construct an example function and graph that has the given characteristics.

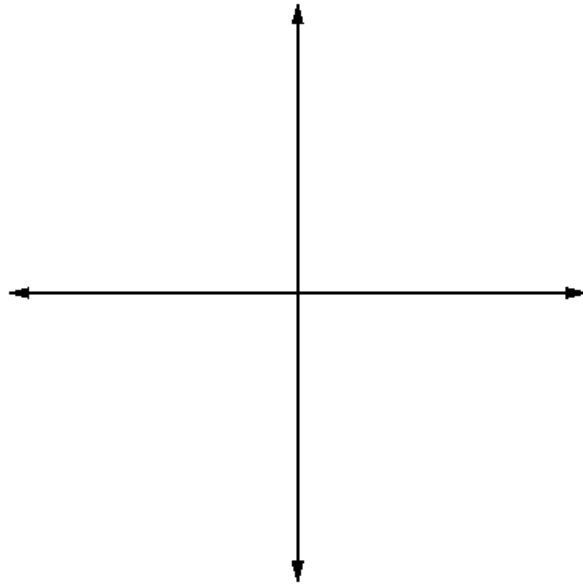
2.

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vertical asymptote
 $x = 1$

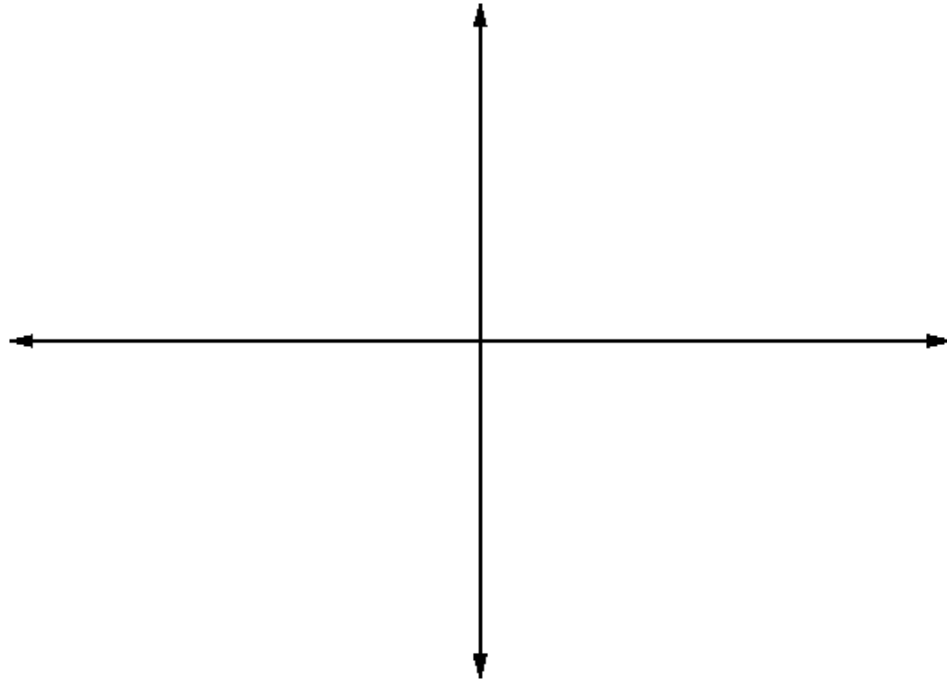
zeros at
4

goes through point
 $(2, -3)$



Consider the sketch of the graph and indicate the required information.

3.



Domain

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Range

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Increasing

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Decreasing

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Vert. Asymp.

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Horiz. Asymp.

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