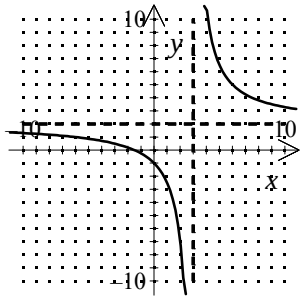
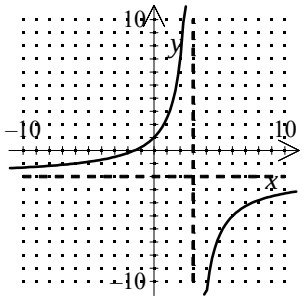
NAME:_____

1. Sketch a graph of $f(x) = \frac{-2x-3}{x+3}$. Include any vertical or horizontal asymptotes.

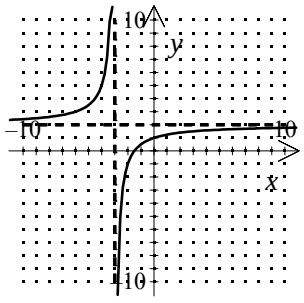
[A]



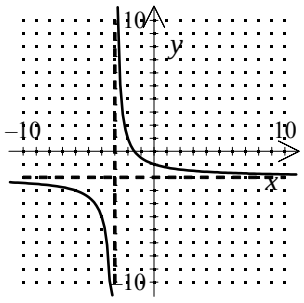
[B]



[C]



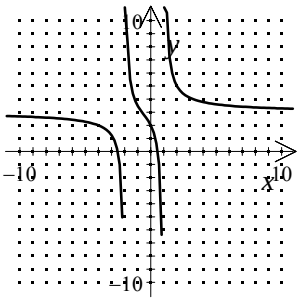
[D]



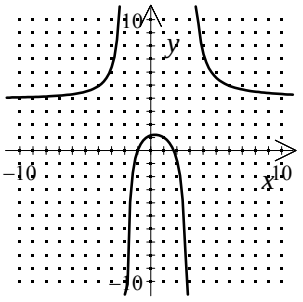
[1] _____

2. Graph the rational function $f(x) = \frac{2x^2-3x-1}{x^2-9}$.

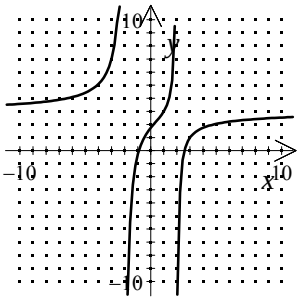
[A]



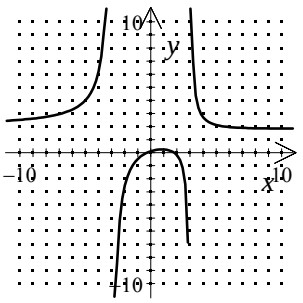
[B]



[C]



[D]

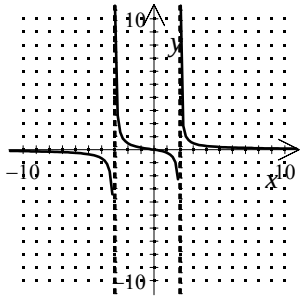


[2] _____

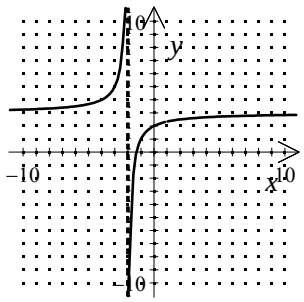
NAME:_____

3. What is the graph of the function $y = \frac{x}{(x^2 + x - 6)}$?

[A]



[B]



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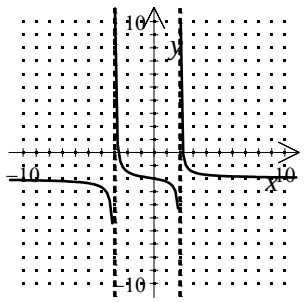
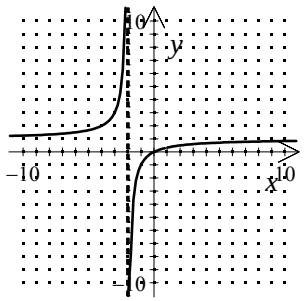


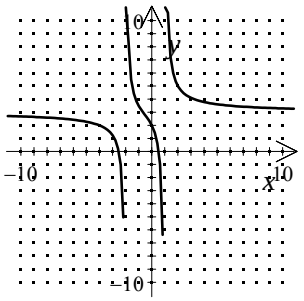
[D]



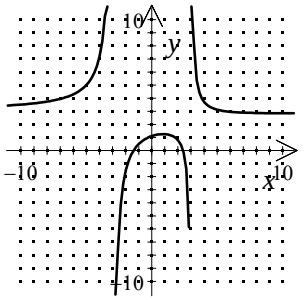
[3] _____

4. Graph the rational function $f(x) = \frac{3x^2 - 3x - 1}{x^2 - x - 2}$.

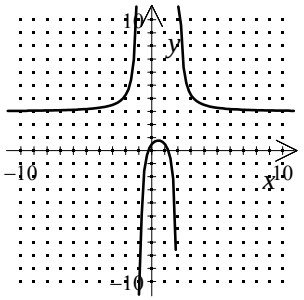
[A]



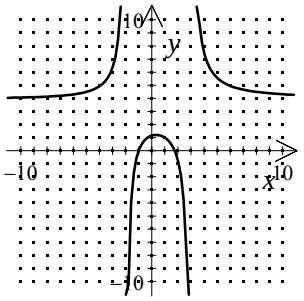
[B]



[C]



[D]



[4] _____

[1] D

[2] D

[3] A

[4] C