

Homework Helper: All rational characteristics

Name _____



Completely analyze each rational function (all types of asymptotes / holes / intercepts)

Then produce a simple sketch showing your asymptotes and intercepts. Use the calculator to tie it all together.

You should have supporting work as shown in class...

1. $f(x) = \frac{x+5}{x^2+4x-5}$

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

3. $y = \frac{(x-3)(x+4)2x}{(x+4)(x+3)(x-2)}$

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

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