Graphing Rational Functions Problems

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Graphing Rational Functions Date_____ Period____ Identify the points of discontinuity, holes, vertical asymptotes, x-intercepts, and horizontal asymptote of each.
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From Step 2 we saw we only have one vertical asymptote and so we only have two regions to our graph : \(x < 2\) and \(x > 2\). We ' ll need a point in each region to determine if it will be above or below the horizontal asymptote. Here are a couple of function evaluations for the points.
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Graphing Rational Functions Practice Refresher ...
Graphing Rational Functions Use the concepts of asymptotes and holes and then plot a few points to get a rough idea of what the function looks like. The interesting points are where the denominator is zero. The rest of a rational function is pretty smooth and easy to graph.

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Rational Function Problems (solutions, examples, videos ...
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Questions on Rational Functions
Graph . Find any asymptotes by checking for which x-values the denominator is equal to zero.. In this case, f(x) is undefined for x = 2. Boom, that means x = 2 is an asymptote.. Now for the intercepts. We find the y-intercept by evaluating f(0).. So the y-intercept is (0, -1).. We find the x-intercept by setting the numerator equal to zero.But in this case, the numerator is always just 2.

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