



Rational Functions Worksheet Pdf

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Then sketch the graph

YAMIHIT urti qg 6hAtks r vr Ready, Set, Go Homework: Rational Functions

Rational Thinking – A Solidify Understanding Task Discovering the relationship between the degree of the numerator Rational Functions Directions: Analyze and Graph each Rational Function $f(x) = \frac{x^2 - 3x + 2}{x^3 + 3x^2 - 4x}$ Domain: Discontinuities: x-intercepts y-intercepts Vertical Asymptotes: Holes

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Where. A function of the form $f(x) = \frac{p(x)}{q(x)}$ where $q(x) \neq 0$ This is just a formality Both the numerator and the denominator are _____. That is, it is a polynomial divided by another polynomial. Ex: $f(x) = \frac{1}{x}$. In formal notation, a rational function would be symbolized like this: Why can't $q(x) = 0$? $p(x)$ and $q(x)$ are polynomial functions, and $q(x)$ cannot equal zero. x – Create your own worksheets like this one with Infinite Algebra 2 Worksheet by Kuta Software LLC Kuta Software Infinite Precalculus Graphs of Rational Functions Name _____ Date _____ Period _____

For each function, identify the points of discontinuity, holes, intercepts, horizontal asymptote, domain, limit behavior at all vertical asymptotes, and end behavior asymptote

rational function is basically a division of two polynomial functions. Simplified form: a rational expression is simplified if its numerator and denominator have NO common factors (other than ± 1) Domain: All reals except ____ Range: All reals except ____

Many answers. Here is an example of a rational function What IS a RATIONAL FUNCTION? Simplified form: a rational

File Size: KB Worksheet by Kuta Software LLC Precalculus Extra Practice of Rational Functions Name _____ ©x k2Q0B1x7_cKcuOtbas WStorfvtDwgaGrBel zLuLACY.d A YAGIAIO Extra Practice Graphing Rational Functions Identify the holes, vertical asymptotes, and horizontal asymptote of each. RATIONAL FUNCTION?

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rational functions. A function of the form $f(x) = \frac{p(x)}{q(x)}$ where $q(x) \neq 0$ This is just a formality Both the numerator and the denominator are _____.