

# **Solving Rational Inequalities Worksheet**

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worksheet manual pdf pdf file

## Solving Rational Inequalities

Worksheet Solve each inequality. 1)

$x \dots$  Write a rational inequality with the solution:  $( , ) \cup ( , )$  Example:  $(x - 1)(x - 2) > 0$

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[KutaSoftware.com](http://KutaSoftware.com). Title: Rational

Inequalities Date Period -

Kuta SOLVING RATIONAL

INEQUALITIES WORKSHEET.

Problem 1 : Find all values of  $x$  for which.  $x^3(x - 1)/(x - 2) > 0$ .

Problem 2 : Find all values of  $x$  for which.  $(2x - 3)/(x - 2)(x - 4) < 0$ .

Problem 3 : Find all values of  $x$  for which. SOLVING RATIONAL

INEQUALITIES WORKSHEET Rational

Inequalities Version 1 Name: \_\_\_\_\_

Date: \_\_\_\_\_ Score: \_\_\_\_\_ 3 1) 0 2 x x

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t 2 5 14 2) 0 1 xx x ! 2 2 3) 0 69 x  
xx 4) 0 2 2 1 4 x x d Direction:

Solve each rational inequality.

Express the answer in interval notation. Show all your work in the space provided. Rational

Inequalities - Free Math Lessons -

ChiliMath The key approach in

solving rational inequalities relies

on finding the critical values of the

rational expression which divide the

number line into distinct open

intervals. The critical values are

simply the zeros of both the

numerator and the denominator.

You must remember that the zeros

of the denominator make the

rational expression undefined, so

they must be immediately

disregarded or excluded as a

possible solution. Solving Rational

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Worksheet

ON RATIONAL INEQUALITIES Notes on Rational Inequalities To Solve Rational Inequalities: 1. Write the inequality as an equation 2. Solve the equation 3. Determine all values that make the denominator zero 4. Rational Inequalities

Worksheets -

TheWorksheets.CoM Notes on Rational Inequalities To Solve Rational Inequalities: 1. Write the inequality as an equation 2. Solve the equation 3. Determine all values that make the denominator zero 4. Draw a number line, and mark all the solutions and critical values from steps 2 and 3 5. Select a test point in each interval between the marks on the number line, and determine if they satisfy the original inequality 6. 135 NOTES ON RATIONAL INEQUALITIES Solving

Worksheet

Rational Inequalities - Practice Problems Move your mouse over the "Answer" to reveal the answer or click on the "Complete Solution" link to reveal all of the steps required for solving rational inequalities. Solving Rational Inequalities - Practice

Problems Here is a set of practice problems to accompany the Rational Inequalities section of the Solving Equations and Inequalities chapter of the notes for Paul Dawkins Algebra course at Lamar University. Algebra - Rational Inequalities (Practice Problems) ©L B2Q0A1Y1c IK nu 0tTa v 6SVohfEt vvvabrre O HLbL 9CT. o G tA LIMl1 hr1i fg 1hFt Lsv XrCeAsOe7r jvieZdK.V D 1M 6a 7d Dej 1wti 1t QhQ vIntf yi Dn5i qt 5e6 CAEl5g PejB ur Xad 82Y.Q Worksheet by

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Solver Rational Equations Reporting  
Category Equations and Inequalities

Topic Solving equations containing  
rational algebraic expressions

Primary SOL All.4c The student will  
solve, algebraically and graphically,  
equations containing rational

algebraic expressions. Graphing  
calculators will be used for solving  
and for confirming the algebraic

solutions. Rational Equations;

Equations and Inequalities; All To

solve a rational inequality, you first  
find the zeroes (from the

numerator) and the undefined

points (from the denominator). You

use these zeroes and undefined

points to divide the number line

into intervals. Then you find the

sign of the rational on each

interval. Solving Rational

Inequalities - Purplemath Rational

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Inequalities are solved in the examples below. Knowing that the sign of an algebraic expression changes at its zeros of odd multiplicity, solving an inequality may be reduced to finding the sign of an algebraic expression within intervals defined by the zeros of the expression in question. Solve the following inequalities

Solve Rational Inequalities - Examples With Solutions Sec 4.6 - Rational & Radical Relationships Solving Rational Equations & Inequalities

Name: Find the value of the variable that makes each of the statements true. Solving Rational Equations & Inequalities Name: Find the ... We hope that you are able to find the math facts and worksheets that you are looking for and that they prove helpful. can find what



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solving an inequality as you do when solving an equation. There are a few special things to consider with inequalities: a. When multiplying or dividing both sides of an inequality by a negative number, the symbol

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