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ALGEBRA II WORKSHEET: SOLVING RATIONAL INEQUALITIES

***1-5. Solve each inequality on a separate sheet of paper. Express your answers in interval notation.***

1.  2. 

3.  4. 

5. 

6. Simplify the expression .

7. Solve the equation .

8. Consider the expression , where x and y are positive numbers.

 a. State the restrictions for the variables.

 b. If the value of x were increased, would the value of the entire expression

 increase or decrease? Explain your answer.