Quiz & Worksheet - Adding & Subtracting Rational Expressions Practice Problems

1. Add the following rational expressions.

$$\frac{x^2 + 6x + 9}{x^2 - 16} + \frac{x + 2}{4 - x}$$

○ $\dfrac{1}{x^2 - 16}$

○ $\dfrac{1}{16 - x^2}$

○ $\dfrac{-1}{x^2 + 16}$

○ $\dfrac{x - 1}{x^2 + 16}$

○ $\dfrac{x + 1}{x^2 + 16}$

2. Subtract the following rational expressions.

$$\frac{x - 5}{x^2 - 3x + 2} - \frac{x - 2}{x^2 + x - 6}$$

○ $\dfrac{x - 17}{x^3 - 7x + 6}$

○ $\dfrac{x + 17}{x^3 - 7x + 6}$

○ $\dfrac{x - 17}{x^2 - 7x + 6}$

○ $\dfrac{x + 17}{x^2 - 7x + 6}$

○ $\dfrac{x - 17}{x + 6}$

3. Subtract the following rational expressions.

$$\frac{x - 4}{x^2 + 2x - 24} - \frac{x + 6}{x^2 + 7x + 6}$$

○ $\dfrac{-5}{x^2 - 7x - 6}$

○ $\dfrac{5}{x^2 + 7x + 6}$

○ $\dfrac{5}{x^2 - 7x + 6}$

○ $\dfrac{-5}{x^2 - 7x + 6}$

○ $\dfrac{-5}{x^2 + 7x + 6}$

Practice 8 4 Rational Expressions

Christopher Monahan

Practice 8 4 Rational Expressions:

Algebra 2, Homework Practice Workbook McGraw-Hill Education,2008-12-10 The Homework Practice Workbook contains two worksheets for every lesson in the Student Edition This workbook helps students Practice the skills of the lesson Use their skills to solve word problems *New York Math: Math B* ,2000 Intermediate Algebra Linda Gilbert,Jimmie Gilbert,1983 **Glencoe Algebra 1** ,2001 *Prentice Hall Algebra 1* Jan Fair,1992 *Practice Makes Perfect Algebra I Review and Workbook, Second Edition* Carolyn Wheater,2018-01-05 The winning equation for success in algebra is practice practice practice This book will help you develop skills in algebra Inside are numerous lessons to help you better understand the subject These lessons are accompanied by hundreds of exercises to practice what you ve learned along with a complete answer key to check your work Throughout this book you will learn the terms to help you understand algebra and you will expand your knowledge of the subject through dozens of sample problems and their solutions With the lessons in this book you will find it easier than ever to grasp concepts in algebra And with a variety of exercises for practice you will gain confidence using your growing algebra skills in your classwork and on exams You ll be on your way to mastering these topics and more Handling decimals and fractions Using variables Graphing linear equations Multiplying polynomials Working with quadratic equations Radical equations Solving word problems *Glencoe Algebra 1* Kenneth J. Travers,1990

Introductory Algebra K. Elayn Martin-Gay,2002 Introductory Algebra is typically a 1 semester course that provides a solid foundation in algebraic skills and reasoning for students who have little or no previous experience with the topic The goal is to effectively prepare students to transition into Intermediate Algebra *Practice Makes Perfect Algebra II* Christopher Monahan,2012-06-05 This workbook explains a variety of skills such as transforming functions completing the square working with matrices and determining probability You will learn about solving exponential logarithmic equations arithmetic of complex numbers factor theorem solving polynomial and rational equations determining regression equations graphing and applying trigonometric functions With more than 500 exercises and answers **Holt Algebra 1 2003** Holt Rinehart & Winston,Holt, Rinehart and Winston Staff,2003 *Practice Makes Perfect: Algebra II Review and Workbook, Third Edition* Christopher Monahan,Laura Favata,2022-05-20 The ideal study guide for success in Algebra II with updated review and hundreds of practice questions Practice makes perfect and this study guide gives you all the practice you need to gain mastery over Algebra II Whether you re a high school or college student or a self studying adult the hundreds of exercises in Practice Makes Perfect Algebra II Review and Workbook Third Edition will help you become comfortable and ultimately gain confidence with the material Written by expert algebra educators with decades of experience this updated edition of Practice Makes Perfect Algebra II Review and Workbook features the latest strategies and lesson instruction in an accessible format with thorough review followed immediately by a variety of practice questions Covering all the essential advanced algebra II topics this book will give you everything you need to help with your schoolwork exams and everyday life

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Decoding **Practice 8 4 Rational Expressions**: Revealing the Captivating Potential of Verbal Expression

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