

Mathematics 30-2: Unit 4 Review

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| **Review the outcomes assessed on this quiz.** **I can...** | **Circle the questions you got correct on this Quiz.** | **Check the rating you think reflects your understanding of each outcome.** |
| **Unit 4 Outcomes** | determine the non-permissible values for a rational expression or equation | 1 |  |  |
| simplify a rational expression | 2, 10 |  |  |
| multiply two rational expressions and write the answer in simplified form | 3 |  |  |
| divide two rational expressions and write the answer in simplified form | 4 |  |  |
| add or subtract two rational expressions that have the same denominator and write the answer in simplified form | 5 |  |  |
| add or subtract two rational expressions that have different denominators and write the answer in simplified form | 6 |  |  |
| determine algebraically the solution to a rational equation | 7 |  |  |
| determine if a value obtained in solving a rational equation is a valid solution to the equation | 8 |  |  |
| solve a contextual problem that involves a rational equation | 9 |  |  |
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| **Review Outcomes** | solve a problem that involves the probability of mutually exclusive or non-mutually exclusive events (Lesson 3C) | 11 |  |  |
| determine the number of permutations of *n* elements taken *r* at a time (Lesson 2C) | 12 |  |  |
| solve a counting problem, using the fundamental counting principal, and explain the reasoning (Lesson 2A) | 13 |  |  |
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| **Record any questions you have about Unit 4. Then, contact your teacher.** |