

Name: _____ Date: _____ Class Period: _____

Algebra Final Exam STUDY GUIDE

~Show Your Work!

PART 1

1. What is the degree of the monomial? $7x^8y^6$
2. What is the degree of the polynomial? $3a^4b^3 + 9a^2b^7$
3. Write the polynomial in standard form. Then name the polynomial based on its degree and number of terms. $4x^2 + 2x^3 - 6 + 8x$
4. Simplify the sum. $(2u^3 + 6u^2 + 3) + (2u^3 - 7u + 6)$
5. Find the difference. $(-4x^2 - 3) - (3x^2 + 2x + 2)$
6. Simplify the expression $x^8 \cdot 2y^{10} \cdot 5x^3$
7. Simplify the expression $(7 \times 10^2)(7 \times 10^5)$. Write your answer in scientific notation.
8. What is the simplified form of the expression $(3k^3)^4$?
9. Write in simplified form. $\frac{c^9d^{-3}}{c^{14}d^{-16}}$
10. Simplify the expression $\left(\frac{m^{-1}m^3}{m^{-2}}\right)^{-3}$

Algebra Ii Final Exam Study Guide

Gary M. Rubenstein



Algebra II Final Exam Study Guide:

Algebra II for Beginners Reza Nazari, 2023-01-29 Algebra II for Beginners is a comprehensive resource designed to equip students with the vital tools and knowledge needed for success in Algebra II courses. Featuring a wealth of examples over 1 500 skill enhancing exercises and two practice tests, this extensive guide ensures thorough preparation for the Algebra II final exam, boosting math proficiency, self-assurance, and problem-solving abilities. Covering all Algebra II concepts, Algebra II for Beginners is aligned with both national and state standards. Its dynamic layout and interactive activities make learning captivating and tangible, while focused practice sessions develop crucial skills. With all exercise solutions provided, students can easily track their understanding and growth, making this comprehensive Algebra II textbook an ideal resource for those seeking to review core content, hone their math skills, and excel in their Algebra II course. Suitable for both individual study and classroom instruction, Algebra II for Beginners presents a well-rounded approach to mastering Algebra II. For additional online math practice opportunities, visit [EffortlessMath.com](https://www.EffortlessMath.com).

Barron's Regents Exams and Answers: Algebra II Gary M. Rubenstein, 2017-11-01 Always study with the most up-to-date prep. Look for Regents Exams and Answers Algebra II 2020 ISBN 978 1 5062 5386 2 on sale January 07 2020. Publisher's Note: Products purchased from third-party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product.

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