

Name: _____

Date: _____ Period: _____

1. Evaluate -2^4

- A. -48 C. 16
B. -16 D. 48

2. Simplify $(-7)^4$

- A. -14 C. -49
B. 14 D. 49

3. Simplify $(x^4)^3$

- A. x^7 C. x^{12}
B. x^8 D. x^{16}

4. Simplify $x^3 \cdot x^5$

- A. x^8 C. x^{-12}
B. x^8 D. x^{-12}

5. Simplify so there are NO negative exponents $\frac{x^4}{x^7}$

- A. x^3 C. x^{12}
B. x^3 D. $\frac{1}{x^3}$

6. Simplify $(-3)^4$

- A. -81 C. 81
B. -1 D. 1

7. Simplify with NO negative exponents 5^{-2}

- A. 25 C. $\frac{1}{-25}$
B. $\frac{1}{25}$ D. -25

8. What is equivalent to 3.44×10^{-4}

- A. 0.000344 C. 3,440
B. 3,000.44 D. 34,600

9. What is the scientific notation of 0.000542

- A. 0.542×10^{-4} C. 542×10^{-4}
B. 5.42×10^{-4} D. 542×10^4

10. Evaluate $(5 \times 10^4)(3 \times 10^3)$ Make sure your answer is in scientific notation form.

- A. 15×10^4 C. 1.5×10^4
B. 15×10^4 D. 1.5×10^8

11. Evaluate $\frac{1.2 \times 10^4}{4 \times 10^2}$

- A. 3×10^4 C. 3×10^2
B. 3×10^2 D. 3×10^4

12. Solve $4x - 8 = 2(3x + 1)$

- A. $x = 5$ C. $x = 1$
B. $x = 6$ D. $x = -6$

13. Solve $\frac{2}{3}p + 3 = 8$

- A. $p = 20$ C. $p = \frac{22}{5}$
B. $p = 20$ D. $p = \frac{22}{5}$

14. Which equation has the solution $x = -3$?

- A. $4x - 2 = 17$ C. $\frac{x}{2} + 15 = 14$
B. $-4x = 18$ D. $60 = x - 57$

15. Solve $18 - 3 = -(28 + 3)$

- A. $x = -\frac{2}{3}$ C. 8
B. $x = -1$ D. no solution

16. What is the solution to the equation?

$$9 + 7x = 3(x + 3) + 4x$$

- A. No Solution C. Infinite Solutions
B. One Solution is -2 D. One Solution is -2

17. Mary adopted a puppy. She must construct a square enclosure with an area of 81 square feet for training her dog. Approximately how many feet of fencing will she need to go around the entire enclosure? (Round your answer to the nearest whole number.)

- A. 9 feet C. 36 feet
B. 18 feet D. 54 feet

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OECD Reviews of Evaluation and Assessment in Education: Serbia Maghnouj Soumaya, Salinas Daniel, Kitchen Hannah, Guthrie Caitlyn, Bethell George, Fordham Elizabeth, 2020-03-20 This review developed in cooperation with UNICEF provides Serbia with recommendations to help strengthen its evaluation and assessment system to focus on support for student learning It will be of interest to Serbia as well as other countries looking to make more effective use of their evaluation and assessment system to improve quality and equity and result in better outcomes for all students **Cracking the Regents Exams** Kim Magloire, 1998-03 Let the Regents experts at The Princeton Review teach you the simple test taking techniques you need to know We ll help you focus your study on the material that is most likely to show up on the test We ll teach you how to find the correct answers by eliminating the wrong ones We ll even teach you how to guess when you re not sure of the answer This guide leads you step by step through each part of the test helping you master the techniques you ll need to crack the Regents exam Learn the techniques in this book practice them on the actual Biology Regents exams inside and give yourself The Princeton Review advantage *Readings in Innovative Ideas in Teaching Collegiate Mathematics* Mohammad-Hossain Ahmadi, 2002 Professional mathematicians from the US and Britain address practical aspects of innovative ideas in teaching mathematics but shy away from either theoretical or historical perspectives on any particular pedagogical approaches They set out the pros and cons of implementing creative instructional styles in order to share their insights with teachers at all educational levels Annotation copyrighted by Book News Inc Portland OR

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experiences the need for them to enjoy fundamental freedom and autonomy to direct their own learning and access to full and free forms of association In her model these conditions provide what is necessary for learners to coordinate their minds with others to develop their identities personalities and talents These conditions are animated in concrete procedures that can be adapted to a wide variety of populations in formal informal and remote educational settings The procedures take the form of rules that learners comply with in the exercise of their freedom When they are followed the rules provide a grammar for the social norms that govern the moral worlds of learners and compel them to flourish Tested over two decades in her work as a teacher scholar and school reformer in more than 20 NYC public schools the McCallister Method has delivered an innovative and disruptive approach to schooling that has proven successful in finally transforming low performing industrial schools into 21st century learning organizations Online support material includes assessments records surveys and more to be used in school design and classroom settings

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