

ALGEBRA I FINAL EXAM

Directions: Choose the best answer for each question.

1. Find the difference of the polynomials.

$$(3x^2 - 2xy + y^2) - (-5x^2 + 6xy - y^2)$$

- a. $2x^2 - 3xy$
- b. $8x^2 - 11xy$
- c. $2x^2 - 3xy + 2y$
- d. $8x^2 - 8xy + 2y^2$

3. Find the product.

$$(5x - 3y)(6x + y)$$

- a. $30x^2 + 23xy + 3y^2$
- b. $30x^2 - 13xy - 3y^2$
- c. $35x - xy - 4y^2$
- d. $15x^2 - 23xy - 3y^2$

5. What property is represented below?

$$6 \cdot (3 \cdot 2) = (3 \cdot 2) \cdot 6$$

- a. commutative property
- b. identity property
- c. inverse property
- d. associative property

7. Find the roots of the quadratic function.

$$f(x) = 6x^2 - 5x - 2$$

- a. $x = 6; x = -2$
- b. $x = \frac{5 \pm \sqrt{13}}{2}$
- c. $x = 1 \pm \sqrt{73}$
- d. $x = \frac{5 \pm \sqrt{73}}{12}$

2. Which inequality best represents the graph?

- a. $y < \frac{2}{3}x + 1$
- b. $y \leq \frac{2}{3}x + 1$
- c. $y \geq \frac{2}{3}x + 1$
- d. $y < -\frac{3}{2}x + 1$



4. Jeffrey bought a collectable baseball card for \$12. If the value of the card appreciated by 9.4% each year, how much will the card be worth in 7 years?

- a. \$22.51
- b. \$112.80
- c. \$1,241.06
- d. \$39.27

6. Evaluate the expression when $x = 2$ and $y = -3$.

$$3y^2 - 2(5x + 3) - 1$$

- a. 0
- b. -3
- c. 10
- d. -4

8. Find the solution to the system of linear equations below.

$$\begin{aligned} 6x - 5y &= 1 \\ y &= 2x - 1 \end{aligned}$$

- a. $(-1, 3)$
- b. $(1, 1)$
- c. $(1, 2)$
- d. $(0, 2)$

Answers Of Pearson Algebra 1 Mid Quiz

S Ben Porath



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The Pearson Guide to MCA Entrance Examinations Thorpe, **Virginia Economic Journal** ,2007 The Pearson Guide to Mathematics for the IIT-JEE, 2/e (New Edition) Khattar, **The Pearson Guide To Mathematics For The Iit-Jee, 3/E** Khattar Dinesh,2010-09 *Journal of Educational Psychology* ,1923 *A Panorama of Statistics* Eric Sowe, Peter Petocz,2017-01-30 This book is a stimulating panoramic tour quite different from a textbook journey of the world of statistics in both its theory and practice for teachers students and practitioners At each stop on the tour the authors investigate unusual and quirky aspects of statistics highlighting historical biographical and philosophical dimensions of this field of knowledge Each chapter opens with perspectives on its theme often from several points of view Five original and thought provoking questions follow These aim at widening readers knowledge and deepening their insight Scattered among the questions are entertaining puzzles to solve and tantalising paradoxes to explain Readers can compare their own statistical discoveries with the authors detailed answers to all the questions The writing is lively and inviting the ideas are rewarding and the material is extensively cross referenced A Panorama of Statistics Leads readers to discover the fascinations of statistics Is an enjoyable companion to an undergraduate statistics textbook Is an enriching source of knowledge for statistics teachers and practitioners Is unique among statistics books today for its memorable content and engaging style Lending itself equally to reading through and to dipping into A Panorama of Statistics will surprise teachers students and practitioners by the variety of ways in which statistics can capture and hold their interest Reviews As befits the authors statement that this is not a textbook the structure is unusual There are twenty five chapters organised in five sections each beginning with a brief perspective of a theme in statistics and finishing with five questions related to that theme The answers provided to the questions in section six are as discursive and illuminating as the main body of the text Even if you are pretty sure you know the answer it is always worth checking what the authors have to say Chances are that you will learn something every time The glimpses and insights given into this enormous and far reaching discipline succeed in being bewitching entertaining and inviting coverage was never the aim In summary this splendid book lives up to the four p values of its title It is panoramic in the scope of its survey of statistics it is full of illuminating perspectives it sets entertaining and challenging puzzles and it explores fascinating paradoxes Read it enjoy it and learn from it From Neil Sheldon Teaching Statistics volume 9 no 2 May 2017 SQL Queries for Mere Mortals uCertify Labs Access Code Card, Fourth Edition John L. Viescas,2018-01-31 The 1 Easy Common Sense Guide to SQL Queries Updated with More Advanced Techniques and Solutions Foreword by Keith W Hare Vice Chair USA SQL Standards Committee SQL Queries for Mere Mortals has earned worldwide praise as the clearest simplest tutorial on writing effective queries with the latest SQL standards and database applications Now author John L Viescas has updated this hands on classic with even more advanced and valuable techniques Step by step Viescas guides you through creating reliable queries for virtually any current SQL

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