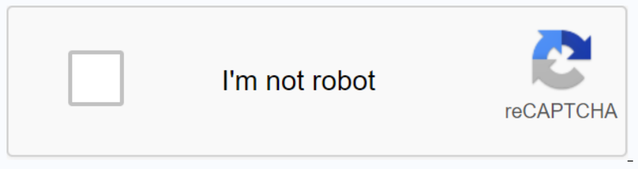

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Algebra regents june 2015 answers

June 2015 Regents Exam Scoring Information Date and Time Scoring Key, Rating Guide and Conversion Chart Important Announcements Tuesday, 6/2/15 - 9:15 AM High School English Language Arts (common core) Tuesday, 6/2/15 - 1:15 pm Geometry (common core) Tuesday, 6/16/15 - 9:15am RE in U.S. history and government Tuesday, 6/16/15 - 13:15 Environment Wednesday, 6/17/15 - 9:15am RE Global History and Geography Wednesday, 6/17/15 - 1:15pm Physical settings / physics Wednesday, 6/17/15 - 13:15 algebra I (Common Core) Thursday, 6/18/15 - 9:15 integrated algebra Thursday, 6/18/15 - 1:15 p.m. Complex English Friday, 6/19/15 - 9:15 - Physical Setting/Earth Science Notice to Teachers: Russian edition, only, Question 69, only (12 KB) Friday, 6/19/15 - 9:15 a.m. Algebra 2/Trigonometry Friday, 18/19/15 - 13:15 Geometry (2005 Standard) Tuesday, 6/23/15 - 9:15 a.m. Physical Settings/Chemistry During the June 2015 Regents examination period (June 2, 16-19, 22-25, 2015) and for some time thereafter, this site will provide, as appropriate, timely information and guidance on the administration and scoring of each of the Regent's examinations that are administered this week. For quick reference: the date and time of all new posts will be included on this page. This resource is offered in addition to the assistance that is available from the department by phone. Single national admission dates: Morning exams - 10:00 Afternoon exams - 14:00 Points/rating times and conversion diagrams: Morning exams - 11:00 Afternoon exams - 15:00 Get Adobe Acrobat Reader for free. Phone Support: (518) 474-5099 (518) 474-5902 Last updated: June 24, 2015 Past NY Regents Tests CCSS Algebra 1 January 2020 August 2019 June 2019 January 2019 January 2018 June 2018 January 2018 August 2017 June 2017 January 2017 January 2016 June 2016 June 2016 January 2015 June 2015 January 2015 August 2014 June 2014 Last updated: February 19, 2020 High School Math based on topics needed for regents exam conducted by NYSED. Solutions for Algebra 1 (Common Core) Regents High School Examination June 2015 are processed below. Related topics: More lessons for regents of high school exam More lessons for Algebra Below are questions from the last paper Regents High School Algebra 1 June 2015 Exam (pdf). Move to the step-by-step solution page. Algebra 1 - June 2015 Regents - Q #1 - 12 1. The cost of broadcasting advertising on TV is modeled by calculations. function C(n) = 110n + 900, where n is the number of times there is commercial broadcast. Based on this model, which statement is true? (1) Commercial cost $0 per production and $110 per broadcast up to $900. (2) Commercial cost $110 per production and $900 Aired. (3) Commercial cost $900 per production and $110 each time it is broadcast. (4) Commercial cost of $1010 per production and can air an unlimited number of times. 2. The chart below shows the runner's speed during her 20-minute run around her surroundings. Which statement best describes what the runner was doing during the 9-12 minute interval of her yoga? 3. If the area of the rectangle is expressed as x4 - 9y2, then the result of the product is deleted. the length and width of the rectangle could be expressed as 4. Which table represents the function? 5. Which inequality is represented in the following graph? 6. Mo farm stand sold a total of 165 pounds of apples and peaches. Calculations. She sold apples for $1.75 a pound and peaches for $2.50 a pound. If she made $337.50, how many pounds of peaches did she sell? 7. Morgan can start wrestling at the age of 5 in Division 1. He remains in this division until his next strange birthday, when he is obliged to advance to the next level of the division. Which chart correctly represents this information? 8. Which statement is not always true? (1) The sum of two rational numbers is rational. (2) The product of two irrational numbers is rational. (3) The sum of a rational number and an irrational number is irrational. (4) The product of a non-zero rational number and irrational number is irrational. 9. The function graph is shown below. The domain function is 10. What are the zeros of the function f(x) = x2 - 13x - 30? 11. Joey enlarged the 3-inch by 5-inch photo on the copier. He enlarge it four times. The table below shows the photo area after each magnification. What is the average rate of area change from the original photo to the fourth magnification to the nearest tenth? 12. Which equations represent the chart below? View Step by Step Solutions Algebra 1 - June 2015 Regents - Q #13 - 24 13. A laboratory technician studied the population growth of colony calculations. Bacteria. Every other day he recorded the number of bacteria, as shown in the partial table below. Which function would accurately model the technician's data? 14. Which quadratic function has the maximum? 15. If f(x) = 3x and g(x) = 2x + 5, at which value x is f(x) < g(x)? 16. Beverly did a study this spring using the data she collected from the cafeteria. Every week, she recorded data on ice cream sales and soda sales. Beverly found the line the best fit and correlation coefficient, as shown in the picture below. What statement can be correctly concluded in view of this information? I. Eating more ice cream causes a person to become thirsty. II. Drinking more soda causes a person to be hungry. III. There is a strong correlation between the sale of ice cream and the sale of soda. 17. Function V(t) = 1350(1.017)t represents the value of V(t) in comic dollars t years after Purchase. The annual rate of appreciation of comics is 18. When directed to solve a quadratic equation, complete the calculations. square, Sam has come to the equation. Which equation could have been the original equation given to Sam? 19. The distance travelled by a free falling object may be modeled by equation d = 1/2 at2, where a is the acceleration caused by gravity and t is the time during which the object fell. What is t in terms of a and d? 20. The table below shows the annual salaries for the 24 members of the professional sports team in terms of millions of dollars. The team signs another player to a $10 million-a-year contract. Which statement about median and average is true? 21. The student is asked to solve equation 4(3x - 1)2 - 17 = 83. The student's solution to the problem starts on 22. The pattern of the blocks is given below. If the block pattern continues, which formulas could be used to determine the number of blocks in the nth term? 23. What are the solutions to the equation x2 - 8x = 24? 24. Natasha is planning a school celebration and wants to have live music and food for everyone who participates. She found a band that would charge her $750 and catering, which would provide snacks and drinks for $2.25 per person. If her goal is to keep the average price per person between $2.75 and $3.25, how many people, p, must attend? View Step by Step Solution 25 Feature Graph y = |x - 3| on the set of a-os below. Explain how graph y = |x - 3| the program has been changed from the related graph y = |x|. 26 Alex is selling tickets to a school play. An adult ticket costs $6.50 and a student ticket costs $4.00. Alex sells x tickets for adults and 12 student tickets. Write a feature, f(x), to represent how much money Alex collected from ticket sales. 27 John and Sarah are each saving money on a car. The total amount of money Jan saves is determined by the function f(x) = 60 + 5x. The total amount of money Sarah saves is determined by the function g(x) = x2 + 46. After how many weeks, x, will they have the same amount of money saved? Explain how you came to your answer. 28 If the difference (3x2 - 2x + 5) - (x2 + 3x - 2) is multiplied by 1/2 x2, what is the result written in standard form? 29 Dylan invested $600 in a savings account with an annual interest rate of 1.6%. He made no deposits or withdrawals on the account for 2 years. Interest increases every year. Find the nearest cent account balance after 2 years. 30 Specify the smallest integer that causes -3x + 7 - 5x < 15 true. 31 Residual images from two different sets of bivariat data are shown below. Use the evidence from Chart A and Chart B to explain that the model is appropriate for the data. 32 The landscaper creates a rectangular flower bed so that the width is half. Area the bed is 34 square feet. Write and solve the equation to determine the width of the beath, to the nearest tenth of the foot. 33 Albert says that the two equation systems below have the same solutions. Determine and indicate whether you agree with Albert. Justify your answer. 34 The equation for determining an employee's weekly earnings at Hamburger Shack is given by w(x), where x is the number of hours worked. Determine the difference in salary in dollars for an employee who works 52 hours compared to someone who works 38 hours. Specify the number of hours an employee must work to earn $445. Explain how you came to this answer. 35 An online electronics store must sell printers and computers worth at least $2,500 a day. Each printer costs $50 and each computer costs $500. The store can send a maximum of 15 items per day. On the set of ad sets below, show the inequality system that models these constraints. Specify a combination of printers and computers that would allow electronics storage to meet all the limitations. Explain how you got the answer 36 The app developer has released a new app to download. The table below shows the number of downloads for the first four weeks after the application is started. Write an exponential equation that models this data. With this model, you can predict how many downloads a developer would expect in the 26th century. Round your response to the nearest download. Would it be wise to use this model to predict the number of downloads in one year? Explain your reasoning. 37 The footballer attempts to kick the ball over the goal line. The football track can be modeled by h(x) = - 1/225 x2 + 2/3 x, where x is the horizontal distance from the kick and h(x) is the height of the football above the ground when both are measured in feet. On the axis set below, time the function y = h(x) at an interval of 0 ≤ x ≤ 150. Specify vertex y = h(x). Interpret the meaning of this vertex in the context of the problem. The goal post is 10 feet tall and 45 yards from kick. Will the ball be high enough to pass over the goal post? Justify your answer. View step-by-step solutions Try the free Mathway calculator and problem solver below to practice various math topics. Try these examples or enter your own problem and check your answer with a detailed explanation. We welcome your feedback, comments and questions about this site or page. Please send your feedback or questions via our feedback page. Page.