## Continue



FSA Algebra I End-of-Course Review Packet Answer Key Algebra and Modeling FSA Algebra 1 EOC Review Table of Contents Table of Contents ... . 2 MAFS.912.A-APR.1.1 EOC Practice .... 3 MAFS.912.A-CED.1.1 EOC Practice .... .. 5 MAFS.912.A-REI.2.3 EOC Practice .. 7 MAFS.912.A-. 9 MAFS.912.A-CED.1.2 EOC Practice .. 11 MAFS.912.A-REI.3.5 EOC Practice 13 MAFS.912.A-REI.3.6 EOC Practice ... 14 MAFS.912.A-REI.4.12 EOC Practice ... 16 MAFS.912.A-CED.1.3 EOC Practice .. . 19 MAFS.912.A-REI.1.1 EOC Practice. . 21 MAFS.912.A-REI.2.4 EOC Practice 23 MAFS.912.A-REI.4.11 EOC Practice ... 25 MAFS.912.A-REI.4.10 EOC Practice .. 27 MAFS.912.A-.. 31 MAFS.912.A-SSE.1.2 EOC Practice SSE.2.3 EOC Practice . 29 MAFS.912.A-SSE.1.1 EOC Practice. . 33 2016-2017 Algebra and Modeling - Teacher Packet 2 FSA Algebra 1 EOC Review MAFS.912.A-APR.1.1 EOC Practice Level 3 Level 5 adds two polynomials with integral adds and subtracts polynomials, completes an informal explains closure coefficients, including adding when including adding or subtracting when argument on closure; applies for polynomials is multiplied multiple operations (excluding both polynomials using the by a monomial or binomial, with a division) when simplifying distributive property is required degree no greater than 1 polynomials 1. What is the product of the following expression? () A. B. C. D. 3. Which is the product of the following expression? () () A. B. C. D. 3. Which is the product of the following expression? () () A. B. C. D. 4. In the diagram below, the dimensions of the large rectangle are () by () units. The dimensions of the cut-out rectangle are by units. Which choice expresses the area of the shaded region, in square units? A. - B. - C. - D. - 2016-2017 Algebra and Modeling - Teacher Packet 3 FSA Algebra 1 EOC Review 5. Given ()() () What are the values of , and ? 2.9 1.9 -1.6 6. Which expression is equivalent to ()() () A. B. C. D. 7. Which expression is equivalent to ()() A. B. C. D. 8. Under what operations is the system of polynomials NOT closed? A. Addition B. Subtraction C. Multiplication D. Division 2016-2017 Algebra and Modeling - Teacher Packet 4 FSA Algebra 1 EOC Review MAFS.912.A-CED.1.1 EOC Practice Level 3 Level 3 Level 5 writes or chooses a simple writes an exponential equation with employs the modeling variable linear equation or exponential (no horizontal or a horizontal or a horizontal or a quadratic equation) or a quadratic equation context simple quadratic equation meaning of the variables 1. There are 60 students going on a field trip to the chocolate factory. The students are from Mr. Anderson's class has 24 students and Could be used to solve for how many students are from Mr. Anderson's class? (Let A = the number of students in Mr. Anderson's class.) A. B. C. - D. 2. The ages of three friends are consecutively one year apart. Together, their ages total 48 years. Which equation can be used to find the age of the friends? A. B. C. D. 3. Student council is renting a tent for \$350 for an upcoming student fair. Each student attending the fair will pay \$0.50. All other attendees will pay \$0.50. All other attendees, , needed to cover the cost of the tent? A. ( )( ) B. ( )( ) C. ( )( ) D. ( )( ) 4. A farmer has a rectangular field that measures 100 feet by 150 feet. He plans to increase the area of the field by 20%. He will do this by increasing the length and width by the same amount, x. Which equation represents the area of the new field? A. ()() B. 2() () C. ()() D. ()() one square and two half circles. The total number of chocolates in the box is calculated by adding the area of a circle approximated by . The company plans to add a small additional box contain 69 chocolates, which of these equations could be utilized to solve for the number of chocolates in the small box ()? A. B. - C. - D. - - 6. An internet business sells U.S. flags for \$16.95 each, plus \$2.50 shipping is free, however, on orders where more than \$100.00 of flags are purchased. Which correctly shows the number of flags f that must be purchased to get free shipping? A. B. C. D. 7. A scientist is studying wildlife. She estimates the population of bats, , after years. () 8. Sandy programmed a website's checkout process with an equation to calculate the amount customers will be charged when they download songs. The website offers a discount. If one song is \$.99. State an equation that represents the cost, , when songs are downloaded. () or 9. Ian is borrowing \$1000 from his parents to buy a notebook computer. He plans to pay them back at the rate of \$60 per month. Ken is borrowing \$600 from his parents to purchase a snowboard. He plans to pay them back at the rate of \$20 per month. a) Write an equation that can be used to determine after how many months the boys will owe the same amount. b) Determine algebraically and state in how many months the two boys will owe the same amount. State the amount they will owe at this time. c) Ian claims that he will have his loan paid off 6 months after he and Ken owe the same amount. He will still owe money. Six months after 10 is 16 months, and (). He will still owe \$40 at 16 months, so he is not paid off. 2016-2017 Algebra and Modeling - Teacher Packet 6 FSA Algebra 1 EOC Review MAFS.912.A-REI.2.3 EOC Practice Level 2 Level 3 Level 4 Level 5 solves linear equations (with variable on solves linear equations). and solves linear equations in solves linear equations in solves linear equations one side and simple benchmark fractions inequalities in one as the coefficient; may require the use of where the variable, including and inequalities in one as the coefficient; may require the use of where the variable, including and inequalities in one as the coefficient; may require the use of where the variable, including the distributive property and adding like included on both sides of coefficient. is represented equations with terms) and inequalities (with a variable the equal sign or inequality, by a letter and require up to three t A. -16 B. 16 C. -4 D. 4 2016-2017 Algebra and Modeling - Teacher Packet 7 FSA Algebra 1 EOC Review 6. Fred solved the equation () () as shown. Fred made an error between Step 1 and Step 2. Part A: Explain the error Fred made an error between Step 1 and Step 2. Part A: Explain the error Fred made an error between Step 1 and Step 2. Part A: Explain the error Fred made an error between Step 1 and Step 2. Part A: Explain the error Fred made an error between Step 1 and Step 2. Part A: Explain the error Fred made an error between Step 1 and Step 2. Part A: Explain the error Fred made an error between Step 1 and Step 2. Part A: Explain the error Fred made an error between Step 1 and Step 2. Part A: Explain the error Fred made an error between Step 3. Part A: Explain the error Fred made an error between Step 3. Part A: Explain the error Fred made an error between Step 4. Part B: What is the correct solution to the original equation? solution to the original equation is 2016-2017 Algebra and Modeling - Teacher Packet 8 FSA Algebra 1 EOC Review MAFS.912.A-CED.1.4 EOC Practice Level 2 Level 3 Level 3 Level 4 Level 5 solves a literal equation that so procedural steps requires three procedural requires four procedural steps variable whose coefficient is 1 steps 1. The formula for simple interest rate per period, and = time, is given below. Which could be used to find the time, , if the amount, principal, and interest are known? A. B. C. D. 2. A line is represented by the equation .What is another way to represent the same line? A. B. C. D. 3. If, the value of in terms of, and can be expressed as (). Express in terms of, and .A. B. C. D. 5. Tim was asked to solve the equation for . His solution is shown below. Start: Step 1: Step 2: () Step 3: In which step did Tim make his first mistake when solving the equation? A. Step 1 B. Step 2 C. Step 3 D. Tim did not make a mistake. 6. Boyle's Law involves the pressure and volume of gas in a container. It can be represented by the formula . When the formula is solved for , the result is A. B. C. D. 2016-2017 Algebra and Modeling - Teacher Packet 10 FSA Algebra 1 EOC Review MAFS.912.A-CED.1.2 EOC Practice Level 3 Level 4 Level 5 writes or chooses a system of writes a system of linear equations or employs the modeling variable linear equation for linear equations or writes a single writes a single equation that has at cycle when writing a real-world context with equations that has at least three variables; correctly equations that has at least three variables two variables are three variables; correctly equations that has at least three variables with integral coefficients variables. Two of her friends each rented the same type of van from the same car rental company last week. This is what they told her: John: "The cost of my rental was \$240. The company charged me a certain amount per mile. I had the rental for five days and I drove it 200 miles." Katie: "The cost of my rental was only \$100. I drove it for 100 miles and had it for two days." Kesha plans to get the same type of van that John and Katie had from the same car rental company. Kesha estimated her trip would be 250 miles, and = days Which equation could Kesha use to figure out how much her rental would cost? A. B. C. D. 2. Eddie's Towing Company charges \$40 to hook a vehicle to the truck and \$1.70 for each mile the vehicle is towed. Which equation best represents the relationship between the number of miles towed, and the total charges, ? A. B. C. D. 3. The local deli charges a fee for delivery. On Monday, they delivered two dozen bagels to an office at a total cost of \$8. On Tuesday, three dozen bagels were delivered at a total cost of \$11. Which system of equations could be used to find the cost of a dozen bagels, , if the delivery fee is ? A. B. C. D. 2016-2017 Algebra and Modeling - Teacher Packet 11 FSA Algebra 1 EOC Review 4. Max purchased a box of green tea mints. The nutrition label on the box stated that a serving of three mints contains a total of 10 Calories. a) On the axes below, graph the function, , where () represents the number of mints contains 180 Calories. Use the equation to determine the total number of mints in the box. 5. A shipping company charges \$1.20 times the sum, , of the length, width, and height of a package to be shipped. All dimensions are measured in inches. The company also charges \$3.00 for processing the package to be shipped. On the line below, write an equation that the shipping company can use for determining the cost, , for shipping any package. Equation: () 6. A construction company spends weeks extending an existing road. The existing road is 5 miles long. Each week the company completes 0.2 miles of the extension. Which equation models the total length () of the road over time? A. B. - C. D. 2016-2017 Algebra and Modeling - Teacher Packet 12 FSA Algebra 1 EOC Review MAFS.912.A-REI.3.5 EOC Practice Level 2 Level 3 Level 4 Level 5 identifies an equivalent system of the original as one of the the equations and a multiple of one of the solutions would have the same equivalent systems has a multiple of one of the the equations and a multiple of the solutions would have the same equivalent systems has a multiple of the solutions would have the same equivalent systems has a multiple of one of the the equations and a multiple of the solutions would have the same equivalent systems has a multiple of one of the the equations and a multiple of the solutions would have the same equivalent systems have the sa original system other solution 1. The Smith Family Reunion both include a visit to a family friendly amusement park in Florida. The Smith Family pays \$82.00 for passes for 10 adults and 18 children. Which equation below can be used to solve for the price of the adult and child admissions? A. () () B. () () C. D. 2. Which system of equations has the same solution as the systems must have the same solution. System (a): System (b): 4. Which pair of equations could not be used to solve the following equations for and? A. B. C. D. 2016-2017 Algebra and Modeling - Teacher Packet 13 FSA Algebra 1 EOC Review MAFS.912.A-REI.3.6 EOC Practice Level 2 Level 3 Level 4 Level 5 solves a system of linear equations explains whether a system of linear equations explains explains explain explains explain explains explain explain explains explain explains explain explain explains explain explain explain explains explain solutions; equations with rational left blank] system; solves a system of equations by graphing coefficients by elimination in the form of ax + by = c and or substitution (manipulation of equations by graphing coefficients by elimination in the form of ax + by = c and or substitution (manipulation of equations by graphing coefficients by elimination in the form of ax + by = c and or substitution (manipulation of equations by graphing coefficients by elimination in the form of ax + by = c and or substitution (manipulation of equations by graphing coefficients by elimination in the form of ax + by = c and or substitution (manipulation of equations by graphing coefficients by elimination in the form of ax + by = c and or substitution (manipulation of equations by graphing coefficients by elimination in the form of ax + by = c and or substitution (manipulation of equations by graphing coefficients by elimination in the form of ax + by = c and or substitution (manipulation of equations by graphing coefficients by elimination in the form of ax + by = c and or substitution (manipulation of equations by graphing coefficients by elimination in the form of ax + by = c and or substitution (manipulation of equations by graphing coefficients by elimination in the form of ax + by = c and or substitution (manipulation of equations by graphing coefficients by elimination in the form of ax + by = c and or substitution (manipulation of equations by elimination of equations by elimination of equations by elimination of equations by elimination (manipulation of equations by elimination of eq only one equation requires form of ax + by = c and dx + ey = f, where interprets solutions in a multiplication; solves a simple system of multiplication is require substitution equations 1. Sandy has a total of 35 coins in her money jar. If Sandy's jar contains only nickels and dimes and the value of all the coins is \$2.50, how many nickels does Sandy have? A. B. C. D. 2. The enrollment at High School R has been increasing by 20 students per year. Currently has 400 students per year. If the two schools continue their current enrollment trends over the next few years, how many years will it take the schools to have the system of equations? - - A. () B. () C. () D. () 4. What is the solution for the system of linear equations below? A. B. C. D. 2016-2017 Algebra and Modeling - Teacher Packet 14 FSA Algebra 1 EOC Review 5. In attempting to solve the system of equations and , John graphed the two equations on his graphing calculator. Because he saw only one line, John wrote that the answer to the system is the empty set. Is he correct? Explain your answer. No. Check students' explanations. 2016-2017 Algebra and Modeling -Teacher Packet 15 FSA Algebra 1 EOC Review MAFS.912.A-REI.4.12 EOC Practice Level 3 Level 4 Level 5 identifies a solution region graphs solutions of the system of two linear verifies ordered pairs justifies why an when the graph of a linear inequalities and identifies the solution set as a selection set as a selection of the system of two linear verifies ordered pairs justifies why an when the graph of a linear inequalities and identifies the solution set as a selection set as a selection of the system of two linear verifies ordered pairs justifies why an when the graph of a linear inequalities and identifies the solution set as a selection set as a selection of the system of two linear verifies ordered pairs justifies why an when the graph of a linear inequalities and identifies the solution set as a selection of the system of two linear verifies ordered pairs justifies why an when the graph of a linear inequalities and identifies a solution set as a selection of the system of two linear verifies ordered pairs justifies why an when the graph of a linear inequalities and identifies a solution set as a selection of the system of two linear verifies ordered pairs justifies why an an area of the system of two linear verifies ordered pairs justifies as a selection of the system of the system of two linear verifies ordered pairs justifies and inequalities are system of the system of t inequality is given region of the coordinate plane that satisfies both solution set inequalities; if the form is written in ax + by system of inequalities < c format, then a, b, and c should be integers 1. Which system of inequalities < c format, then a, b, and c should be integers 1. inequality? A. Quadrant I B. Quadrant II C. Quadrant II D. Quadrant II C. Quadrant II C. Quadrant II C. Quadrant II D. Quadrant II C. Quadrant II D. Quadran Teacher Packet 17 FSA Algebra 1 EOC Review 5. Without graphing, which point is a solution to the system below? A. () B. () C. () D. () 2016-2017 Algebra and Modeling - Teacher Packet 18 FSA Algebra 1 EOC Review MAFS.912.A-CED.1.3 EOC Practice Level 2 Level 3 Level 4 Level 5 identifies constraints that are identifies variables; writes models trip, each teacher must call the parents of any student who has not returned a permission slip. All of Mr. Gomez's students returned their permission slips, so he did not have to make any calls. Mrs. Hooper and Mr. Anderson had to call a total of eight parents. Mrs. Hooper needed to call two more students than Mr. Anderson. Which set of equations correctly describes the phone calls made? (Let H = Mrs. Hooper's calls and A = Mr. Anderson's calls.) A. B. C. D. 2. In a basketball game, Marlene scored a total of 39 points from field goals. Part A Let represent the number of two-point field goals and represent the number of three-point field goals. Which equations can be used as a system to model the situation? Select ALL that apply. Part B How many three-point field goals did Marlene make in the game? Enter your answer in the box. 7 2016-2017 Algebra and Modeling - Teacher Packet 19 FSA Algebra 1 EOC Review 3. Justin plans to spend \$20 on sports cards. Regular cards cost \$3.50 per pack and foil cards () Justin can afford to buy? A. B. C. D. 4. The amount of profit, , you earn by selling knives, , can be determined by: a) Determine the constraints on profit and the constraints on the number of knives sold. b) What happens to your profit as you sell more knives? Your profit as you sell more knives? Your profit will increase c) Is it possible to make a \$14,000 profit? Explain. No, you cannot sell half of a knife, 72.5 5. Two friends went to a restaurant and ordered one plain pizza and two sodas. Their bill totaled \$15.95. Later that day, five friends went to the same restaurant. They ordered three plain pizzas and each person had one soda. Their bill totaled \$45.90. Write and solve a system of equations to determine the price of one plain pizzas and each person had one soda. Their bill totaled \$45.90. Write and solve a system of equations to determine the price of one plain pizzas. { 2016-2017 Algebra and Modeling - Teacher Packet 20 FSA Algebra 1 EOC Review MAFS.912.A-REI.1.1 EOC Practice Level 2 Level 3 Level 4 Level 5 chooses the correct explains and justifies the steps in an in an equation of the form a (bx +c) = a (bx +c) = d where a, b, c, d, ax + b = c d or ax + b = c d numbers did John use for Step 2? A. multiplication property of multiplication property of multiplication C. commutative property of multiplication D. distributive property of multiplication property of multiplication D. distributive property of multiplication property of multiplication property of multiplication D. distributive D. multiplication? Select ALL that apply. () For questions 4 and 5, use the solution to the equation (-) Step 2: - Step 3: Step 4: 4. In Step 3: 4. In Step 3: Step 4: 4. In Step 3: Step 4: 4. In Step 3: 4. In Step question. The table shows the first 5 steps used to solve an equation. Which statement is an incorrect explanation of one step in the process? A. From step 4, apply the distributive property to () and to get () in step 3. D. From step 1, apply the subtraction property of equality to and to get () in step 2. 2016-2017 Algebra and Modeling - Teacher Packet 22 FSA Algebra 1 EOC Review MAFS.912.A-REI.2.4 EOC Practice Level 3 Level 3 Level 4 Level 5 solves quadratic equations of the form solves quadratic determines if a quadratic will yield form, where and, where and, where and, where and a quadratic formula inspection or by taking square factoring, or using the quadratic recognizes that a quadratic can yield roots formula; validates why taking the square nonreal solutions and that the quadratic root of both sides when solving a formula 1. What is the solutions et of the equation ()()? A. and B. and C. and D. and -2. Janice is asked to solve. She begins the problem by writing the following steps: Line 1 Line 2 Line 3 ()() Use Janice used to solve the equation for . Explain the method Janice used to solve the equation for . Explain the method Janice substituted for 3. Which value of is a solution to the equation? A. B. C. D. 4. The method of completing the square was used to solve the equation is a correct step when using this method? A. () B. () C. () D. () 2016-2017 Algebra and Modeling - Teacher Packet 23 FSA Algebra 1 EOC Review 5. An equation is shown. What values of make the equation true? 3 -0.5 6. Shannon and Jermaine are solving quadratic equations. This table shows their work. Both Shannon and Jermaine have errors in their work. Write a clear explanation of each student's error. Provide the correct solutions for both equations. Shannon Correct solutions for both equations out such that or . Then solve both for . Therefore, or . Jermaine Correct solution(s): Explanation of error: Jermaine's error is after step 2. He should have taken the square root of 36 instead of dividing it by 2. Step 3 could be ()() which gives or . Therefore, or . 2016-2017 Algebra and Modeling - Teacher Packet 24 FSA Algebra 1 EOC Review MAFS.912.A-REI.4.11 EOC Practice Level 2 Level 3 Level 4 Level 5 determines an integral solution to the on how to find an approximate f(x) = g(x) given a graph or a table of solution to the energy tenth for f(x) a linear, quadratic, or exponential nearest tenth for f(x) approximate solution to the energy tenth for f(x) and f(x)g(x) given a graph or a table and function, in a mathematical or real- = g(x) given a graph or a table functions is a solution to f(x) = g(x) Justifies why the intersection of two world context or a table given a graph or a table function, in a mathematical or real- = g(x) given a graph or a table function of two world context or a table function of two which point do the two equations and intersect? A. () B. () C. () D. () () 2016-2017 Algebra and Modeling - Teacher Packet 25 FSA Algebra 1 EOC Review 3. Use the table below. y = f(x) -11.5 -10 -8.5 -7 -5.58 4. () () at () True False 5. () () somewhere on the interval. True False 2016-2017 Algebra and Modeling - Teacher Packet 26 FSA Algebra 1 EOC Review MAFS.912.A-REI.4.10 EOC Practice Level 2 Level 3 Level 4 Level 5 distinguishes between coordinates distinguishes between coordinates recognizes that a graph is justifies that a graph is that are solutions to linear that are solutions to linear that are not exponential) and those that are not 1. The ordered pairs ()(), and () are points on the graph of a linear equation. Which of the following graphs show all of the ordered pairs in the solution set of this linear equation? A. B. C. D. 2. Dr. Math thinks he knows more than you about what is true and false world just because he's a doctor. He says that the equation also includes the point (). Is Dr. Math right or wrong? A. He's right B. He's wrong C. We need more information before we can say if he's right or wrong D. None of the above 2016-2017 Algebra and Modeling - Teacher Packet 27 FSA Algebra 1 EOC Review 3. You talk on the phone on the fourth day of the month. Are they right? A. Yes, you did talk on the phone for 12 minutes on the fourth of the month B. No, you talked on the phone for 9 minutes on the fourth of the month 4. The speed of a snowboarder from uphill to downhill can be modeled using the equation where is in minutes. The snowboarder's speed at time 0 is 1 and is 2 at time 1. The snowboarder claims that this proves his speed increases linearly. Is he right? A. Yes, because the equation is not linear C. No, because the two points have positive values only D. No, because it does not cross the -axis 5. Which point is NOT on the graph represented by ? A. (-4, 0) B. (-1, 9) C. (2, 0) D. (4, 0) 6. An equation is shown. Select All of the points that are solution to the equation above. ()()()()() 2016-2017 Algebra and Modeling - Teacher Packet 28 FSA Algebra 1 EOC Review MAFS.912.A-SSE.2.3 EOC Practice Level 2 Level 3 Level 4 Level 5 uses properties of factors the difference of two squares with a degree of 2 and common integral factor, trinomials with a degree of 2 and common integral factor and a leading coefficient between identifies the new explains the properties of the having more than four factors and explains the equivalent forms base of an zeros; completes the square properties of the zeros; completes the square and why an exponential function; when the leading coefficient is 1 when the leading coefficient is 2 when the leading coefficient is 3 when the square and why an exponential function; when the leading coefficient is 3 when the leading coefficient is 4 when the leading coefficient is 5 when the leading coefficient is 6 when the leading coefficient is explains the properties of the and explains the properties of the maximum or would provide the properties of the maximum or minimum; uses the minimum; uses expression 1. The director of a play must decide how much to charge per ticket. If tickets cost c dollars each, a total of (755c) people will attend the play. Which ticket price will generate the most income? A. \$1.00 B. \$7.50 C. \$15.00 D. \$20.50 2. Which of these shows the following expression factored completely? A. ()() B. (() C. ()() D. ()() 3. If () which statement regarding the vertex form, () () and therefore has a minimum value of 1. B. In vertex form, () () and therefore has a minimum value of 2. C. In vertex form, () () and therefore has a minimum value of 2. Which expression is equivalent to ? A. ()() B. ()() C. ()() D. ()() D Algebra 1 EOC Review MAFS.912.A-SSE.1.1 EOC Practice Level 3 Level 4 Level 5 interprets coefficients or terms of interprets factors expression 1. Combined estimates for Etosha National Park and the Northwestern Population Year Base Year Estimated Number of Elephants 1998 3 3,218 2000 5 3,628 2002 7 3,721 2004 9 3,571 The elephant population in northwestern Namibia and Etosha National Park can be predicted by the expression (), where b is the number of years since 1995. What does the value 2,649 represent? A. the predicted increase in the region each year B. the predicted number of elephants in the region is predicted to increase each year 2. A store manager begins each shift with the same total amount of money. She keeps \$200 in a safe and distributes the rest equally to the 5 cashiers in the store. This situation? A. The total amount of money the manager has at the beginning of a shift B. The total amount of money the manager has at the beginning of a shift B. The total amount of money the manager has at the beginning of a shift B. The total amount of money the manager has at the beginning of a shift B. The total amount of money the manager has at the beginning of a shift B. The total amount of money the manager has at the beginning of a shift B. The total amount of money the manager has at the beginning of a shift B. The total amount of money the manager has at the beginning of a shift B. The total amount of money the manager has at the beginning of a shift B. The total amount of money the manager has at the beginning of a shift B. The total amount of money the manager has at the beginning of a shift B. The total amount of money the manager has at the beginning of a shift B. The total amount of money the manager has at the beginning of a shift B. The total amount of money the manager has at the beginning of a shift B. The total amount of money the manager has at the beginning of a shift B. The total amount of money the manager has at the beginning of a shift B. The total amount of money the manager has at the beginning of a shift B. 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A. is the total cost, is the number of months of service, \$40 is the installation fee, and \$40 is the service charge per month. C. is the total cost, is the number of months of service, \$40 is the installation fee, and \$40 is the inst fee, and \$90 is the service charge per month. D. is the total cost, is the number of months of service, \$90 is the installation fee, and \$40 is the service charge per month. D. is the total cost, is the number of months of service, \$90 is the service charge per month. D. is the total cost, is the number of months of service, \$90 is the service charge per month. 2016-2017 Algebra and Modeling - Teacher Packet 31 FSA Algebra 1 EOC Review 4. A ball was thrown upward into the air. The height, in feet, of the ball above the ground t seconds after being thrown can be determined by the expression. What is the meaning of the in the expression? Select the correct answer. A. The ball takes 3 seconds to reach its maximum height of 3 feet. D. The ball takes 3 seconds to reach its maximum height of 3 feet. D. The ball takes 3 seconds to reach its maximum height of 3 feet. D. The ball takes 3 seconds to reach its maximum height of 3 feet. D. The ball takes 3 seconds to reach its maximum height of 3 feet. D. The ball takes 3 seconds to reach its maximum height of 3 feet. D. The ball takes 3 seconds to reach its maximum height of 3 feet. D. The ball takes 3 seconds to reach its maximum height of 3 feet. D. The ball takes 3 seconds to reach its maximum height of 3 feet. D. The ball takes 3 seconds to reach its maximum height of 3 feet. D. The ball takes 3 seconds to reach its maximum height of 3 feet. D. The ball takes 3 seconds to reach its maximum height of 3 feet. D. The ball takes 3 seconds to reach its maximum height of 3 feet. D. The ball takes 3 seconds to reach its maximum height of 3 feet. D. The ball takes 3 seconds to reach its maximum height of 3 feet. D. The ball takes 3 seconds to reach its maximum height of 3 feet. D. The ball takes 3 seconds to reach its maximum height of 3 feet. D. The ball takes 3 seconds to reach its maximum height of 3 feet. D. The ball takes 3 seconds to reach its maximum height of 3 feet. D. The ball takes 3 seconds to reach its maximum height of 3 feet. D. The ball takes 3 seconds to reach its maximum height of 3 feet. D. The ball takes 3 seconds to reach its maximum height of 3 feet. D. The ball takes 3 seconds to reach its maximum height of 3 feet. D. The ball takes 3 seconds to reach its maximum height of 3 feet. D. The ball takes 3 seconds to reach its maximum height of 3 feet. D. The ball takes 3 seconds to reach its maximum height of 3 feet. D. The ball takes 3 seconds to reach its maximum height of 3 feet. D. The ball takes 3 seconds to reach its maximum height of 3 feet. D. The ball takes 3 seconds to reach its ) a model of exponential growth or exponential growth or exponential decay, and what is the rate (percent) of change per time period? A. exponential decay and 88% 6. A car leaves Albany, NY, and travels west toward Buffalo, NY. The equation can be used to represent the distance, , from Buffalo after hours. In this equation, the 59 represents the A. car's distance from Albany D. number of hours driving 7. Juan buys peaches and grapefruit at the store. He writes the equations shown to model the relationship between the number of pounds of peaches, , and the number of pounds of grapefruit, , that he buys. What is the total number of pounds of peaches and grapefruit that Juan buys? 2.5 pounds 8. Omar deposited d dollars into a savings account to buy a bicycle. This expression can be used to find the percentage of the money in the savings account that Omar will use for the bicycle. () What is the meaning of the denominator in the expression? A. the amount originally deposited in the savings account 2016-2017 Algebra and Modeling - Teacher Packet 32 FSA Algebra 1 EOC Review MAFS.912.A-SSE.1.2 EOC Practice Level 3 Level 4 Level 5 works with a degree of 4 chooses the correct trinomials with a degree of 2 integral factor, trinomials with a degree of 2 integral factor, and a trinomial whose leading coefficient has a common integral factor, and a trinomial whose leading coefficient has a common integral factor, and a trinomial whose leading coefficient has a common integral factor, trinomials with a degree of 3 coefficient has a common integral factor, and a trinomial whose leading coefficient has a common integral factor and integral factor. leading coefficient of 1 1. Students were asked to write a trinomial that could not be factored using integers. Which student followed the given directions? A. Pat B. Sam C. Mel D. Lee 2. Identify ALL the factors of this polynomial when it is factored completely. 3. Which expression is equivalent to A. ()() B. ()() D. ()() D Modeling - Teacher Packet 33 FSA Algebra 1 EOC Review 4. Four expressions are shown below. I ( ) II ( ) ( ) IV ( ) The expression is equivalent to A. I and IV, only B. II and IV, only SaveSave MAFS A1 EOC Review Algebra and Modeling - Answer K... For Later0%0% found this document useful, undefined