

Algebra II
Chapter 2 Functions Test Review

Key

1. Draw a graph and a table that do not represent a function. How would you explain this?

2. Find the domain of $f(x) = \frac{x-3}{x^2-9}$.
 $\frac{x-3}{(x-3)(x+3)} \rightarrow \frac{1}{x+3}$
 $x \neq -3$

3. Find the domain of the function $f(x) = 3x^2 - 4x + 4$.
 $(-\infty, \infty)$

4. Given a graph $f(x) = |x|$, what would be the equation of another graph with a vertical shift of 3 up, a horizontal shift of 5 left, and a vertical stretch of 10?

$$f(x) = |x| + 3$$

5. If $f(x) = 4x + 6$ and $g(x) = x^2 - 5$, find $(f \circ g)(x)$.

$$f(g(x)) =$$

$$4(x^2 - 5) + 6$$

$$4x^2 - 20 + 6$$

$$4x^2 - 14$$

6. Find $f \circ g$ for the given functions.
 $f(x) = \begin{cases} 3x, & x \leq 4 \\ 2x + 4, & x > 4 \end{cases}$
 $g(x) = \begin{cases} x + 5, & x \leq 4 \\ x + 6, & x > 4 \end{cases}$

$$f(g(x)) = \begin{cases} 3(x+5), & x \leq 4 \\ 2(x+6) + 4, & x > 4 \end{cases}$$

check bottom function
 $2(x+6) + 4 = 2x + 12 + 4 = 2x + 16$

7. Find $(f \circ g)(x)$ if $f(x) = -4x + 2$ and $g(x) = 2x^2 + 1$.

$$f(g(x)) = -4(2x^2 + 1) + 2 = -8x^2 - 4 + 2 = -8x^2 - 2$$

$$-8x^2 - 2$$

8. Find $(f \circ g)(x)$ if $f(x) = x^2 + 4$ and $g(x) = 4x + 3$.

$$f(g(x)) = (4x+3)^2 + 4 = 16x^2 + 24x + 9 + 4 = 16x^2 + 24x + 13$$

9. Given the function $f(x) = 3x + 4x^2 + 7$, explain how this function was transformed from the function $f(x) = x^2$.

$$\begin{aligned} & \text{Left 3} \\ & \text{Up 7} \\ & \text{Stretch } 3 \end{aligned}$$

10. If you were given a function $g(x)$, explain how this function would be transformed if a new function was $p(x) = \frac{1}{2}g(x - 3) + 4$.

$$\text{Left 3, Right 1/2, Up 4}$$

Algebra 2 Unit Test E2020 Answers

C Cleary



Algebra 2 Unit Test E2020 Answers:

Algebra 2 Unit Test E2020 Answers: Bestsellers in 2023 The year 2023 has witnessed a remarkable surge in literary brilliance, with numerous captivating novels enthralling the hearts of readers worldwide. Lets delve into the realm of top-selling books, exploring the engaging narratives that have captivated audiences this year. The Must-Read : Colleen Hoover's "It Ends with Us" This touching tale of love, loss, and resilience has captivated readers with its raw and emotional exploration of domestic abuse. Hoover masterfully weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can succeed. Uncover the Best : Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This captivating historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids captivating storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Algebra 2 Unit Test E2020 Answers : Delia Owens "Where the Crawdads Sing" This mesmerizing coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens crafts a tale of resilience, survival, and the transformative power of nature, captivating readers with its evocative prose and mesmerizing setting. These bestselling novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of compelling stories waiting to be discovered. The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a brilliant and thrilling novel that will keep you wondering until the very end. The novel is a cautionary tale about the dangers of obsession and the power of evil.

<https://legacy.tortoisemedia.com/data/browse/Documents/Self%20Help%20Step%20By%20Step.pdf>

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is: to examine the events of the human menstrual cycle with regard to hormone levels, ovarian function, and ... Menstrual Cycle Lab Flashcards Study with Quizlet and memorize flashcards containing terms like What gland secretes FSH (follicle-stimulating hormone)?, On what day does the FSH reach its ... LAB _____. STAGES OF THE HUMAN MENSTRUAL CYCLE When a human female is born, her ovaries already contain all the immature eggs that will later mature and produce functional eggs during her lifetime. Menstrual cycle lab and graphs Menstrual cycle lab and graphs. Ch 36. Menstrual cycle (ovulation). The Menstrual Cycle; About every 28 days, some blood and other products of the ... Follicle-Stimulating Hormone (FSH) Levels Test by FSHFSHL Test — This test measures the level of follicle-stimulating hormone (FSH) in your blood. FSH affects sexual development in children and fertility ... Top Labs To Run Bi-Annually On Your Irregular Menstrual ... Aug 7, 2023 — Lab tests like anti-Müllerian hormone (AMH) and follicle-stimulating hormone (FSH) levels provide a comprehensive overview of ovarian function. Choosing Health by Lynch, April ... brief personal health textbook. The 3rd Edition offers guidance for actively improving individuals' health while new interactive videos, quizzes, activities ... Choosing Health - Books 0134554213 / 9780134554211 Choosing Health, Books a la Carte Edition. Read more. About the Author. April Lynch, MA. April Lynch is an award-winning author and ... Choosing Health The 3rd Edition offers guidance for actively improving students' health while new interactive videos, quizzes, activities, and worksheets in Mastering™ Health ... Choosing Health (2nd Edition) - Lynch, April; Elmore, Barry Choosing Health (2nd Edition) by Lynch, April; Elmore, Barry; Kotecki, Jerome - ISBN 10: 0321929659 - ISBN 13: 9780321929655 - Pearson - 2014 - Softcover. Choosing health brief edition lynch (Read Only) - resp.app If you ally dependence such a referred choosing health brief edition lynch books that will provide you worth, get the unquestionably best seller from us ... Choosing Health by: April Lynch - 9780134636306 ... brief personal health textbook. The 3rd Edition offers guidance for actively improving individuals' health while new interactive videos, quizzes, activities ... Choosing Health The 3rd Edition offers guidance for actively improving students' health while new interactive videos, quizzes, activities, and worksheets in ... Books by April Lynch Choosing Health(3rd Edition) by April Lynch, Karen Vail-Smith, Jerome Edward Kotecki, Laura Bonazzoli Paperback, 496 Pages, Published 2017 by Pearson Choosing Health / Edition 3 by April Lynch ... brief personal health textbook. The 3rd Edition offers guidance for actively improving individuals' health while new interactive videos, quizzes, activities ... Choosing Health 3rd Edition.c3 4 PDF April Lynch, M.A.. April Lynch is an award-winning author and journalist who specializes in health, the medical and biological sciences, and human genetics ... Amahl and the Night Visitors (Vocal Score) This vocal score is a new and revised edition of the well-known opera that made television history on Christmas Eve, 1951. Instrumentation. Piano; Vocal ... Menotti AMAHL AND THE NIGHT VISITORS Sep 20, 2013 — Opera and Music Theatre; score; G. Schirmer; musicsalesclassical.com; 30678. ... Menotti AMAHL AND THE NIGHT VISITORS. Page 1. ScoresOnDemand http ... Amahl and the Night Visitors: Vocal Score ... Book overview. (Vocal Score). This vocal score is a new and revised edition of the well-known opera that made television history on

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