

quadratic functions unit test pdf

____ 2. Which of the quadratic functions has the narrowest graph? a. $y = x^2$ b. $y = \frac{1}{4}x^2$ c. $y = 4x^2$ d. $y = \frac{1}{9}x^2$
____ 3. Which of the quadratic functions has the widest graph? a. $y = \frac{1}{3}x^2$ b. $y = 4x^2$ c. $y = 0.3x^2$ d. $y = \frac{1}{45}x^2$
____ 4. If $|m| > |n|$, then the graph of $y = mx^2$ is ____ narrower than $y = nx^2$. a. always b. sometimes c. never
____ 5. A parabola ____ has an axis of symmetry.

ExamView - Quadratics Unit Test Review - Dr. Kokan

Unit 10: Quadratic Equations Unit 10: Quadratic Equations 3 A right triangle has a side with length 12 in and a hypotenuse with length 20 in. Find the length of the second leg. (Round to the nearest hundredth if needed)
A. 16 in. C. 15 in. B. 23.32 in. D. 8 in. 4. Find the values for x for the following equation.

Unit 10: Quadratic Equations Chapter Test Part 1: Multiple

MATH 2201 TEST # 2 UNIT 2: QUADRATIC FUNCTIONS NAME: PART A: MULTIPLE CHOICE (Value: 10)
Choose the correct answer and place its letter in the space at the right.

MATH 2201 TEST # 2 UNIT 2: QUADRATIC FUNCTIONS NAME: PART

This unit teaches students to graph, manipulate, and solve quadratic functions. There are a number of new ideas introduced, like all the parts and determinants of parabolas.

Unit 10: Quadratic Functions - Monterey Institute

Unit 2 Test Multiple Choice Identify the choice that best completes the statement or answers the question. ...
Solve the quadratic equation by completing the square. ____ 6. $x^2 - 10x + 22 = 0$ a. $5 \pm \sqrt{27}$ c. $10 \pm \sqrt{3}$ b. $5 \pm \sqrt{3}$ d. $10 \pm \sqrt{27}$
____ 7. The function $y = 16t^2 - 248t$ models the height y in feet of a stone t seconds after it is dropped from the edge of a vertical cliff. How long will it take the stone to hit ...

Unit 2 Test - Craven County School District / Homepage

Algebra 1 Unit 15 Solving Quadratic Functions Test Review Page 1 ALGEBRA 1 SOLVING QUADRATICS TEST REVIEW ! I can identify the solutions/roots/zeros of a quadratic function. What are the solutions to $x^2 + 5x - 30 = 5 + 3x$ 1. What are the solutions to $x^2 + x + 9 = 3$ 4 ...

ALGEBRA 1 SOLVING QUADRATICS TEST REVIEW

Page 13 ____ 3 If an object is dropped from a height of 39 feet, the function $h(t) = 16t^2 + 39$ gives the height of the object after t seconds.

Name: Class: Date: PreAssessment Quadratic Unit

14. $28x + 81 = 0$ Method: can't use quadratic formula 15. $22x = -3x + 9$ Method: can't use quadratic formula For #16-20, no partial credit will be given.

Algebra 2: Chapter 5 Test Review (Quadratic Functions

Quadratic Functions Quiz Score: ____ out of 42 Part One: Multiple Choice (2 points each.) Identify the choice that best completes the statement or answers the question.

108 Quadratic Functions Quiz Score: out of 42 (3, 6)

Use function notation, evaluate functions for inputs in their domains, and interpret statements that use function notation in terms of a context. HSF-IF.A.3 Recognize that sequences are functions, sometimes defined recursively, whose domain is a subset of the integers.

FUNCTIONS-Unit Test.pdf - BetterLesson

Use this description to write the quadratic function in vertex form: The parent function $f(x) = x^2$ is vertically stretched by a factor of 2 and translated 14 units right and 6 units up.

www.abss.k12.nc.us

Unit 5: Quadratic Functions This unit investigates quadratic functions. Students study the structure of expressions and write expressions in equivalent forms. They solve quadratic equations by inspection, by completing the square, by factoring, and by using the Quadratic Formula. Some quadratic equations will have complex solutions. Students also graph quadratic functions and analyze ...

Unit 5: Quadratic Functions - Troup County School System

Algebra 2 Honors: Quadratic Functions. Semester 1, Unit 2: Activity 11 Resources: SpringBoard- Algebra 2 . Online Resources: Algebra 2 Springboard Text . Unit 2 Vocabulary: Justify Derive Verify Advantage Disadvantage Counterexample Quadratic equation Standard form of a quadratic equation Imaginary number Complex number Complex conjugate Completing the square Discriminant Root Zero Parabola ...

Algebra 2 Honors: Quadratic Functions

The graph of any quadratic function is a vertical and/or horizontal shift of a vertical stretch or shrink of the basic quadratic function $f(x) = x^2$. The vertex of a quadratic function provides the maximum or minimum output value of the function and the input at which it occurs. Every quadratic equation can be solved using the Quadratic Formula.

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