

## 9 3 Skills Practice Graphing Rational Functions Answer Key

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### 9 3 Skills Practice Graphing

over the x-axis wider than the graph of  $f(x) = x^2$  narrower translated up 3 units  $f(x) = x^2$  reflected over the x-axis, and translated  $f(x) = x^2$  translated up 5 units to the right 1 unit

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Match each equation to its graph. 10.  $y = 2x^2 - 2$  11.  $y = 2 - \frac{1}{2}x - 2$  12.  $y = -\frac{1}{2}x^2 + 2$  13.  $y = -2x^2 + 2$  9-3 Skills Practice

### Transformations of Quadratic Functions

9-3 DATE Practice PERIOD Transformations of Quadratic Functions Describe how the graph of each function is related to the graph of  $f(x) = x^2$ . 1.  $g(x) = (x + 10)^2$  Translation of  $(x) = x^2$  to the left 10 units. 4.  $g(x) = 2x^2 + 2$  Stretch of  $(x) = x^2$  narrower than the graph of  $(x) = x^2$  translated up 2 units. 3.  $g(x) = 9 - x^2$  2.  $g(x) = -x^2$  Reflection Of

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9 3 Practice Graphing Rational Functions- Displaying top 8 worksheets found for this concept. Some of the worksheets for this concept are Graphing rational, Graphing general rational functions, 9 3 skills practice graphing rational functions answer key, Graphing rational functions notes, Graphing simple rational functions, Asymptotes and holes graphing rational functions, Graphing simple rational functions, Unit 9 rational functions.

### 9 3 Practice Graphing Rational Functions Worksheets ...

9-3 Study Guide and Intervention (continued) Graphing Rational Functions Graph Rational Functions Use the following steps to graph a rational function. Step 1 First see if the function has any vertical asymptotes or point discontinuities. Step 2 Draw any vertical asymptotes. Step 3 Make a table of values. Step 4 Plot the points and draw the graph.

### Welcome - Home

Skills Practice 6.3' = - —1 DATE PERIOD Graphing Quadratic Functions Use a table of values to graph each function. State the domain and the range. 1.  $y = x^2 - 4$  2.  $y = -x^2 + 3$  3.  $y = x^2 - 2x - 6$  Find the vertex, the equation of the axis of symmetry, and the y-intercept of the graph of each

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function.  $4. y = 2x^2 - 6$  Consider each equation.

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## NAME DATE PERIOD 8-4 Skills Practice

translated up 3 units  $f(x) = x^2$  reflected over the graph of the x-axis, and translated  $f(x) = x^2$   
translated up 5 units to the right 1 unit Match each equation to its graph. 10.  $y = 2x^2 - 11$ .  $y = 1! 2$   
 $x^2 - 2$  12.  $y = -1! x^2 + 2$  13.  $y = -2x + 2$  9-3 Skills Practice Transformations of Quadratic  
Functions C B D A x y 0 x y x y 0 x y 0 B. A. D ...

## Chapter 9 - Quadratic Functions and Equations

Lesson 9-1 Chapter 9 7 Glencoe Algebra 1 Skills Practice Graphing Quadratic Functions Use a table  
of values to graph each function. State the domain the range. 1.  $y = x^2 - 4$  2.  $y = -x^2 + 3$  3.  $y =$   
 $= x^2 - 2$   $x - 6$  7 x y 0 x y 0 x y 0 Find the vertex, the equation of the axis of symmetry, and the y-  
intercept. 4.  $y = 2x^2 - 8x + 6$  5.  $y = x^2 - 2$  ...

## Answers (Anticipation Guide and Lesson 9-1)

-5.4, -0.6 0.3, 3.7 9-2 Skills Practice Solving Quadratic Equations by Graphing . Created Date:  
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## Solving Quadratic Equations by Graphing

Graph each equation. 7.  $1! 2 x - y = 2$  8.  $5 x - 2 y = 7$  9.  $1.5 x + 3 y = 9$  10. COMMUNICATIONS A  
telephone company charges \$4.95 per month for long distance calls plus \$0.05 per minute. The  
monthly cost  $c$  of long distance calls can be described by the equation  $c = 0.05 m + 4.95$ , where  $m$  is

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the number of minutes. a. Find the y-intercept of the ...

## Answers (Anticipation Guide and Lesson 3-1)

4-1 Skills Practice Graphing Quadratic Functions Complete parts a-c for each quadratic function. a. Find the y-intercept, the equation of the axis of symmetry, and the x-coordinate of the vertex. b. Make a table of values that includes the vertex. c. Use this information to graph the function. 1.

## NAME DATE PERIOD 4-1 Skills Practice

8-3 Skills Practice Graphing Reciprocal Functions Identify the asymptotes, domain, and range of each function. 1. 2. Graph each function. ...  $y = \frac{1}{x} + 4 - 2$  7.  $f(x) = \frac{1}{x} + 1 - 5$  8.  $f(x) = -\frac{4}{x} - 3 - 4$  9.  $f(x) = 3x - 2 + 4$  10. RACE Kate enters a 120-mile bicycle race. Her basic rate is 10 miles per hour, but Kate will ...

## NAME DATE PERIOD 8-3 Skills Practice Graphing Reciprocal ...

7-3 Skills Practice Logarithms and Logarithmic Functions Write each equation in exponential form. 1.  $\log_3 243 = 5$  3.  $\log_1 9 3 = 2$  ... This is a transformation of the graph of  $f(x) = \log_{10} x$ .  $|a| = 3$ : The graph expands vertically.  $a < 0$ : The graph is reflected across the x-axis.

## 7-3 Skills Practice - Lomira

6-1 Skills Practice Graphing Systems of Equations Use the graph at the right to determine whether each system is consistent or inconsistent and if it is DATE PERIOD  $y = 1 + 4$  If it has one solution, name it. independent or dependent. 1.  $y = x - 1$  2.  $2x - 2y = 2$  3.  $2x - 2y = 2$  Graph each system and determine the number of solutions that it has. 5.  $2x - y = 1$  6.  $x - y = -2$  11.

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Skills Practice Graphing Equations in Slope-Intercept Form Write an equation of a line in slope-

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intercept form with the given slope and y-intercept. 1. slope: 5, y-intercept: -3  $y = 5x - 3$  2. slope: -2, y-intercept: 7  $y = -2x + 7$  3. slope: -6, y-intercept: -2  $y = -6x - 2$  4. slope: 7, y-intercept: 1  $y = 7x + 1$  5. slope: 3, y-intercept ...

## Answers (Anticipation Guide and Lesson 4-1)

9.1 Inverse and Joint Variation 9.2 Graphing Simple Rational Functions 9.3 Graphing General Rational Functions 9.4 Multiplying and Dividing Rational Expressions 9.5 Addition, Subtraction, and Complex Fractions 9.6 Solving Rational Equations

## Chapter 9 : Rational Equations and Functions : 9.2 ...

NAME 3-2 Skills Practice Solving Linear Equations by Graphing 20 DATE PERIOD 3.  $31 + 2 = 31 - 1$  .  
 $0 = 51 + 3$  6 9. 1 2 3 4, 5 6 7 8 9 10 Packages of Cards Bought

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9.1 Solving Quadratic Equations by Finding Square Roots 9.2 Simplifying Radicals 9.3 Graphing quadratic functions 9.4 Solving Quadratic Equations by Graphing 9.5 Solving Quadratic Equations by the Quadratic Formula 9.6 Applications of the Discriminant 9.7 Graphing Quadratic Inequalities 9.8 Comparing Linear, Exponential, and Quadratic Models

## Chapter 9 : Quadratic Equations and Functions : 9.4 ...

Practice A Graphing Quadratic Functions Identify the following components of each quadratic function. Then graph the function. 1.  $y = x^2 + 2x - 3$

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