



Name: Answer Key
 Date: _____ Per: _____

IM2 - 03 Key Characteristics (Practice 3A)

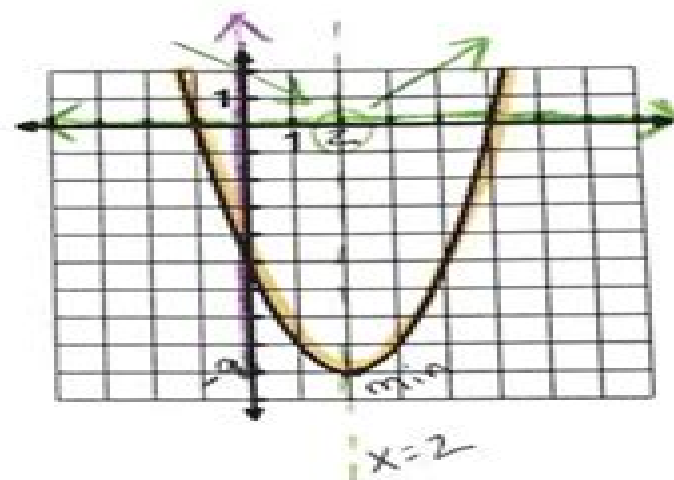
1. Answer the following questions about the graph.

Circle & Fill in the Blank

1. x-intercept(s): $(-1, 0)$, $(5, 0)$
2. Zeros: $X = -1$, $X = 5$
3. Roots: -1 and 5
4. y-intercept(s): $(0, -5)$
5. Absolute Maximum / Minimum
6. Vertex: $(2, -9)$
7. Axis of Symmetry: $X = 2$

Fill in the Blanks using Inequality Notation

8. Domain: $-\infty < X < \infty$
 - Interval(s) of Increase: $2 < X < \infty$
 - Interval(s) of Decrease: $-\infty < X < 2$
9. Range: $-9 < Y < \infty$



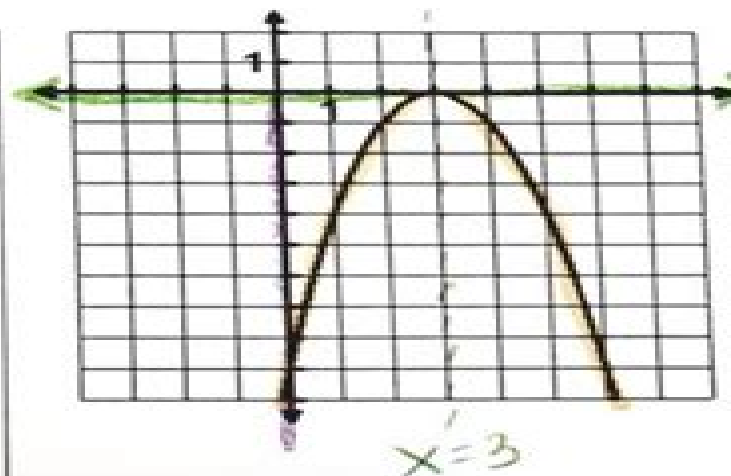
2. Answer the following questions about the graph.

Circle & Fill in the Blank

1. x-intercept(s): $(3, 0)$
2. Zeros: $X = 3$
3. Roots: 3
4. y-intercept(s): $(0, -9)$
5. Absolute Maximum / Minimum
6. Vertex: $(3, 0)$
7. Axis of Symmetry: $X = 3$

Fill in the Blanks using Inequality Notation

8. Domain: $-\infty < X < \infty$
 - Interval(s) of Increase: $-\infty < X < 3$
 - Interval(s) of Decrease: $3 < X < \infty$
9. Range: $-\infty < Y \leq 0$



Graphs Of Quadratic Functions Answer Key

**Judith A. Muschla, Gary R. Muschla, Erin
Muschla-Berry**



Graphs Of Quadratic Functions Answer Key:

Algebra Teacher's Activities Kit Judith A. Muschla, Gary R. Muschla, Erin Muschla-Berry, 2015-11-19 Help your students succeed with classroom ready standards based activities The Algebra Teacher's Activities Kit 150 Activities That Support Algebra in the Common Core Math Standards helps you bring the standards into your algebra classroom with a range of engaging activities that reinforce fundamental algebra skills This newly updated second edition is formatted for easy implementation with teaching notes and answers followed by reproducibles for activities covering the algebra standards for grades 6 through 12 Coverage includes whole numbers variables equations inequalities graphing polynomials factoring logarithmic functions statistics and more and gives you the material you need to reach students of various abilities and learning styles Many of these activities are self correcting adding interest for students and saving you time This book provides dozens of activities that Directly address each Common Core algebra standard Engage students and get them excited about math Are tailored to a diverse range of levels and abilities Reinforce fundamental skills and demonstrate everyday relevance Algebra lays the groundwork for every math class that comes after it so it's crucial that students master the material and gain confidence in their abilities The Algebra Teacher's Activities Kit helps you face the challenge well armed with effective activities that help students become successful in algebra class and beyond Algebra II Is Easy! So Easy Nathaniel Max Rock, 2006-02 Rock provides a guide to learning and understanding Algebra II Education Teaching

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Table of Contents Graphs Of Quadratic Functions Answer Key

1. Understanding the eBook Graphs Of Quadratic Functions Answer Key
 - The Rise of Digital Reading Graphs Of Quadratic Functions Answer Key
 - Advantages of eBooks Over Traditional Books
2. Identifying Graphs Of Quadratic Functions Answer Key
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Graphs Of Quadratic Functions Answer Key
 - User-Friendly Interface
4. Exploring eBook Recommendations from Graphs Of Quadratic Functions Answer Key
 - Personalized Recommendations
 - Graphs Of Quadratic Functions Answer Key User Reviews and Ratings
 - Graphs Of Quadratic Functions Answer Key and Bestseller Lists
5. Accessing Graphs Of Quadratic Functions Answer Key Free and Paid eBooks
 - Graphs Of Quadratic Functions Answer Key Public Domain eBooks
 - Graphs Of Quadratic Functions Answer Key eBook Subscription Services
 - Graphs Of Quadratic Functions Answer Key Budget-Friendly Options
6. Navigating Graphs Of Quadratic Functions Answer Key eBook Formats

- ePub, PDF, MOBI, and More
 - Graphs Of Quadratic Functions Answer Key Compatibility with Devices
 - Graphs Of Quadratic Functions Answer Key Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Graphs Of Quadratic Functions Answer Key
 - Highlighting and Note-Taking Graphs Of Quadratic Functions Answer Key
 - Interactive Elements Graphs Of Quadratic Functions Answer Key
 8. Staying Engaged with Graphs Of Quadratic Functions Answer Key
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Graphs Of Quadratic Functions Answer Key
 9. Balancing eBooks and Physical Books Graphs Of Quadratic Functions Answer Key
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Graphs Of Quadratic Functions Answer Key
 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
 11. Cultivating a Reading Routine Graphs Of Quadratic Functions Answer Key
 - Setting Reading Goals Graphs Of Quadratic Functions Answer Key
 - Carving Out Dedicated Reading Time
 12. Sourcing Reliable Information of Graphs Of Quadratic Functions Answer Key
 - Fact-Checking eBook Content of Graphs Of Quadratic Functions Answer Key
 - Distinguishing Credible Sources
 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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