

# SAT MATH DIAGNOSTIC EXAM

This diagnostic test was designed to give you a rough idea of what you would score in SAT math on the revised March 2016 exam. Since an actual SAT has not yet been administered there is currently no way to accurately report your score on practice tests. Nonetheless, I hope that this diagnostic exam will serve as a quick and easy way to estimate your current ability level.

Please take this diagnostic just as you would take the SAT. Notice that for the first part of the test a calculator is not allowed. For the second part of the test you may use a calculator. Please time yourself accurately and stop working as soon as your time is up. Continuing to answer questions after time is up will decrease the accuracy of your score. There is an answer key and scoring guide on the last page of this document.

## REFERENCE

For your convenience, here are the formulas that you will be given on the SAT. Feel free to look back at these formulas as your taking the diagnostic exam.



$$A = \pi r^2$$

$$C = 2\pi r$$



$$A = \ell w$$



$$A = \frac{1}{2}bh$$



$$c^2 = a^2 + b^2$$



Special Right Triangles



$$V = \ell wh$$



$$V = \pi r^2 h$$



$$V = \frac{4}{3}\pi r^3$$



$$V = \frac{1}{3}\pi r^2 h$$



$$V = \frac{1}{3}\ell wh$$

The number of degrees of arc in a circle is 360.

The number of radians of arc in a circle is  $2\pi$ .

The sum of the measures in degrees of the angles of a triangle is 180.

# Sat Practice Latest

**C Cleary**



**Sat Practice Latest:**

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### **Table of Contents Sat Practice Latest**

1. Understanding the eBook Sat Practice Latest
  - The Rise of Digital Reading Sat Practice Latest
  - Advantages of eBooks Over Traditional Books
2. Identifying Sat Practice Latest
  - 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 Sat Practice Latest
  - User-Friendly Interface
4. Exploring eBook Recommendations from Sat Practice Latest
  - Personalized Recommendations
  - Sat Practice Latest User Reviews and Ratings
  - Sat Practice Latest and Bestseller Lists

5. Accessing Sat Practice Latest Free and Paid eBooks
  - Sat Practice Latest Public Domain eBooks
  - Sat Practice Latest eBook Subscription Services
  - Sat Practice Latest Budget-Friendly Options
6. Navigating Sat Practice Latest eBook Formats
  - ePub, PDF, MOBI, and More
  - Sat Practice Latest Compatibility with Devices
  - Sat Practice Latest Enhanced eBook Features
7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Sat Practice Latest
  - Highlighting and Note-Taking Sat Practice Latest
  - Interactive Elements Sat Practice Latest
8. Staying Engaged with Sat Practice Latest
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Sat Practice Latest
9. Balancing eBooks and Physical Books Sat Practice Latest
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Sat Practice Latest
10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
11. Cultivating a Reading Routine Sat Practice Latest
  - Setting Reading Goals Sat Practice Latest
  - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Sat Practice Latest
  - Fact-Checking eBook Content of Sat Practice Latest
  - 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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