



**New Readers Press**  
ProLiteracy's publishing division

# **How to Use** ***Scoreboost® for the 2014 GED® Test***

A Teacher's Guide to Using *Scoreboost* in Class

Lessons can also be assigned for self-study since they include

- Skill modeling
- Guided practice
- Independent practice

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2. Item Types on the GED Test
3. Assessment and Instruction
4. Strategy Lessons
5. Unit Practice and Action Plans
6. Online Practice
7. GED Test Practice

# 1. About *Scoreboost*®

8 workbooks

Level: 9+

## Mathematics

- Fractions, Decimals, Percents, and Proportions (48 pp)
- Measurement and Geometry (48 pp)
- Graphs, Data Analysis, and Probability (48 pp)
- Algebraic Reasoning (48 pp)

## Writing Across the Tests

- Sentence Structure, Usage, and Mechanics (48 pp)
- Responding to Text on the Language Arts, Social Studies, and Science Tests (64 pp)

## Thinking Skills

- Critical Thinking for Reading, Science, and Social Studies (48 pp)
- Data and Graphic Skills for Mathematics, Science, and Social Studies (48 pp)



# 1. About *Scoreboost*®

***Scoreboost® for the 2014 GED® Test*** is a series of supplemental GED test-prep workbooks that can be used in conjunction with any GED core instructional textbooks, video, or online materials.

- 11–15 two-page lessons per book target specific strategies
- Hundreds of sample GED test questions model the thinking process needed to succeed on the GED tests
- Cumulative Unit Practice provides review and aids retention
- Additional Unit Practice online for practice with technology-enhanced items
- GED Test Practice develops test readiness
- Self-evaluation and Action Plans provide useful feedback

## 2. Item Types on the GED Test

Page 3 of each book previews new technology enhanced item types.

Strategy lessons show students how to answer new item types.

Online (or CD-ROM) Unit Practice items give students practice answering electronic questions.

ITEM TYPES ON THE 2014 GED® TEST

The 2014 GED® Mathematical Reasoning Test will be given on the computer. Many of the items will be multiple-choice questions. Other item types include fill-in-the-blank, drop-down menu, drag-and-drop, and hot spots.

**Fill-in-the-blank** questions will have an empty box where you will type in your answer. The answer could be a word, number, or equation. If you need mathematical symbols, you can click on Æ Symbol at the top of the screen.

Type your answer in the box. You may use numbers, a decimal point (.), and/or a negative sign (-) in your answer.

Sacramento Auto Parts asked its workers to donate to a local charity. Altogether, the company gathered \$1,653. The average donation was \$28.50. What equation would you use to find out how many workers donated to the charity?

1653 ÷ 28.50 = x

**Drop-down menu** items will offer you several answers to choose from in order to complete a statement or equation. Put your cursor on the "Select..." box to see the options. Click on the correct answer option.

35% of 765 Select... 250

<

>

=

A **drag-and-drop** item will require you to click on images, words, or numbers and drag them to the correct place. For instance, you may have to assemble an equation by dragging parts of it to the correct boxes.

What is the equation for the slope of line AB when point A is (1, 1) and B is (5, -4)?

Click on the numbers you want to select and drag them into the boxes.

$m = \frac{\square}{\square}$

1

1

5

-4

-1

4

For a **hot spot** item, you will also drag an image to the correct place. In this way, you will plot a point on a grid, number line, or graph.

Ten people can sit at a round table at a party. There will be twice as many women as men.

$2m + m \leq 10$

Graph all possible solutions for  $m$ .

After you complete each Unit Review in this book, you can go to [scoreboost.newreaderspress.com](http://scoreboost.newreaderspress.com) to practice answering GED test questions in electronic format. If you'd like, you can complete this entire book and then go online and answer all the electronic Unit Review questions.

When you are finished with the online questions, you can print a score sheet. The score sheet includes a Scoreboost Action Plan to help you improve your score.

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# 3. Assessment and Instruction

## Students—

- Study targeted GED test strategies
- Apply the strategies in cumulative Unit Practice
- Continue to follow the pattern of strategies and practice
- Take GED Test Practice to evaluate which skills they still need to work on

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# 4. Strategy Lessons

Left page

## Present GED Strategy

Explain the GED strategy to students using the introduction at the top. Key terms are in **bold**.

## Apply strategy to sample test items

Students read the example GED questions and respond to THINK prompts. Some questions have explanations for right and wrong answers to guide students in answering the questions correctly.

## Review a TESTWISE hint

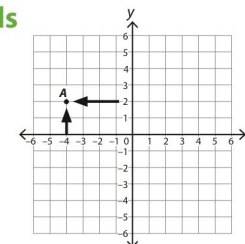
Use hints to share additional test-taking tips.

### STRATEGY

# 13

## Plot Points on Coordinate Grids

The **coordinate grid** is a system of lines used to locate points on a plane. Each point has its own address. The address, or **coordinates** of a point, is a pair of numbers. The numbers can be positive, negative, or both. The first number locates the point horizontally along the **x-axis**. The second number shows the point's location in relation to the vertical **y-axis**. On the grid to the right, point A is located at  $(-4, 2)$ .



On the GED Math Test, some of the questions will ask you to click on a special coordinate grid to show the location of a point. For practice, you will shade the circle where you would click the grid.

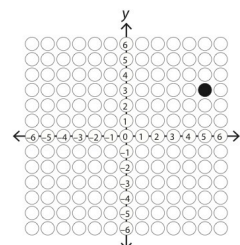
### Example

Plot a point with coordinates  $(5, 3)$  on the grid.

**THINK:** *The first number shows the location along the x-axis. The second number shows the location along the y-axis.*

Start at the origin  $(0, 0)$ . On this special GED coordinate grid, the circle marked 0 is the origin. Count five circles to the right along the x-axis. Then count three circles up along the y-axis. Mark your answer on the coordinate plane grid.

**SOLUTION:** See the grid below.



### GED Problem

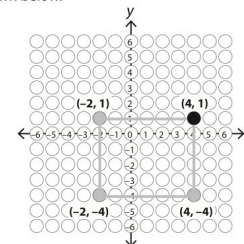
A rectangle is drawn on a coordinate grid. Its vertices, or corners, are located at  $(-2, -4)$ ,  $(-2, 1)$ , and  $(4, -4)$ . At what point is the fourth vertex?

Mark your answer on the coordinate plane grid.

**THINK:** *I know a rectangle has four sides, and the opposite sides are equal. I can plot the three points given in the problem, and then determine where the fourth point must be placed.*

First, plot the three points given in the problem.

To form a rectangle, the fourth point must be located at  $(4, 1)$ . Fill in this circle on the answer grid. The answer is shown below.



### TESTWISE

To mark a point  $(x, y)$  on the GED coordinate grid, start with the x-value and count to the right if the number is positive or to the left if it is negative. Then count the number of places for the y-value: up if it is positive or down if it is negative. Tap the grid carefully. If you need to erase a point, place the arrow over the point and click the left mouse button.



# 4. Strategy Lessons

Right page

## Apply the Strategy

*Left column*

Students use the strategy to answer GED questions with prompts for guided practice.

*Right column*

Students answer GED questions without prompts—as on the GED test.

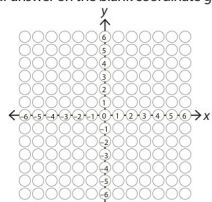
## Check the answers

Students check their answers and read the explanations. Answers are in the back of the book. Review and discuss questions that are difficult for students.

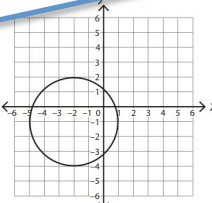
APPLY THE STRATEGY

**Directions: Solve the problems below. For problems 1 and 2, write the answer first as a coordinate pair. Then mark your answers on the coordinate plane grids.**

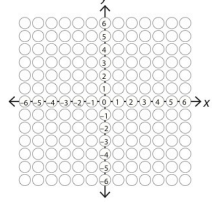
1. A point has an  $x$ -coordinate of 3 and a  $y$ -coordinate of  $-2$ . What is the location of the point on the coordinate grid?  
Coordinate pair: \_\_\_\_\_  
Mark your answer on the blank coordinate grid below.



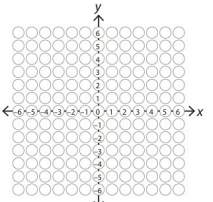
2. The coordinate grid below shows the graph of a circle. What point is located at the center of the circle?  
Coordinate pair: \_\_\_\_\_



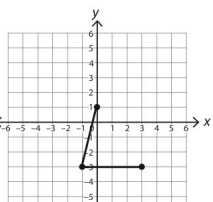
Mark your answer on the blank coordinate grid below.



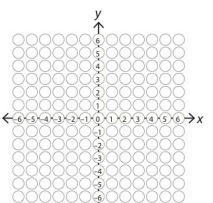
3. A point has an  $x$ -coordinate of  $-4$  and a  $y$ -coordinate of  $-2$ . What is the location of the point on the coordinate grid?  
Mark your answer on the blank coordinate grid below.



4. The coordinate grid below shows the location of three vertices of a parallelogram. At what point is the fourth vertex?



Mark your answer on the blank coordinate grid below.



Answers start on page 47.

UNIT 4: POINTS, LINES, AND SLOPE ON THE COORDINATE PLANE **35**



# 5. Unit Practice and Action Plan

## Unit Practice

Students practice strategies by answering GED questions.

## Answers

Students check their answers and read the explanations. Review and discuss questions that are difficult for students.

## Action Plan

Students fill in the *Scoreboost* Action Plan to determine if they need more practice in some strategies.

UNIT 3 PRACTICE

Problem-Solving Strategies

**Part I: You may use a calculator. For questions 1–7, choose the one best answer. For question 8, write your answer in the box.**

- What is the value of the following expression when  $x = -4$  and  $y = -3$ ?  
 $2x^2y + \sqrt{x^2 + y^2}$   
 (A) 101  
 (B) 11  
 (C) -71  
 (D) -91
- Evaluate the expression below when  $a = 4$  and  $b = 2$ .  
 $a^2 + 6b^3$   
 (A) 28  
 (B) 44  
 (C) 64  
 (D) 388
- What is the value of the expression below when  $x = -25$  and  $y = -5$ ?  
 $\frac{xy}{y^2}$   
 (A) 125  
 (B) 25  
 (C) 5  
 (D) -5
- What is the value of  $m^2n$  when  $m = -20$  and  $n = -3$ ?  
 (A) -1,200  
 (B) -60  
 (C) 400  
 (D) 1,200

5. Angela has a total of seven nickels and dimes. If the

**Part II: You may not use a calculator. For questions 9–13, choose the one best answer. For question 14, write your answer in the box.**

- The sum of three consecutive even numbers is 138. What is the largest of these numbers?  
*(Hint: Consecutive even numbers can be shown as  $x$ ,  $x + 2$ ,  $x + 4$ , and so on.)*  
 (A) 44  
 (B) 46  
 (C) 48  
 (D) 50
- The sum of three consecutive odd numbers is 75. Which of the following numbers is the least number in the series?  
 (A) 21  
 (B) 23  
 (C) 25  
 (D) 27
- Raul sold three times as many raffle tickets as Amy. Amy sold \$50 more in tickets than Michael. Together, they sold \$700 in raffle tickets. How many dollars worth of raffle tickets did Raul sell?  
 (A) \$100  
 (B) \$150  
 (C) \$300  
 (D) \$450

- At a local skating rink, the admission cost is \$5 for adults and \$3 for children. On Saturday, 110 children skated. If the skating rink took in \$550, how many adults skated?  
 (A) 44  
 (B) 73  
 (C) 110  
 (D) 220
- Last week, Ava and John sold \$1,225 in merchandise. If John sold three times more than Ava, how many dollar's worth of merchandise did Ava sell?  
 (A) \$306.25  
 (B) \$408.33  
 (C) \$612.50  
 (D) \$918.75
- Richard is seven years older than Lilia. In ten years, the sum of their ages will be 51. How old is Richard now?  
 years old

For more practice with answering questions like this on the computer, you can go to [scoreboost.newreaderspress.com](http://scoreboost.newreaderspress.com).

SCOREBOOST ACTION PLAN

Check your answers starting on page 47. Fill in the chart, and make an action plan.

Questions	Strategy	Pages	Correct/Total	Plan: More work needed
9, 11, 13, 14	Using Tables	26–27	___/4	<input type="checkbox"/>
1, 2, 3, 4, 6, 7, 8	Calculator Skills	28–29	___/7	<input type="checkbox"/>
5, 10, 12	Working Backwards	30–31	___/3	<input type="checkbox"/>
<b>Total:</b>			___/14	

**Results**  
 0–7 correct • *Need to study more—make a plan*  
 8–11 correct • *Need to review some skills*  
 12–14 correct • *Mastery of skills—move on*

# 6. Online Practice

## Online Practice

Additional Unit Practice questions mimic technology-enhanced item types.

## Answers

Students check their answers and read the explanations. Review and discuss questions that are difficult for students.

## Action Plan

The Item Review Screen shows students' scores and which strategies they should review.

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**Writing** | Sentence Structure, Usage, and Mechanics | Question 1 of 10

Grammar and Usage | Flag for Review | Answer Explanation

**Floods and Insurance**

*The passage below is incomplete. Navigate to each "Select..." button and choose the option that correctly completes the sentence.*

Homeowner's insurance and flood insurance  to cover all damage done by the recent hurricane.

Homeowner's insurance will usually cover some kinds of water damage. If the damage happened because of falling water, not pooled water,  directly caused by a flood. So if rain drips through the roof and destroys belongings, homeowner's insurance could cover that.

Homeowner's insurance usually will not cover certain situations. For example, if a nearby river overflows  banks and washes into your house, homeowner's insurance will not cover you. In situations like that, there  only one kind of insurance that will help you: flood insurance.

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**Thinking Skills** | Critical Thinking for Reading, Science, and Social Studies | Question 5 of 10

Understand Information | Flag for Review | Answer Explanation

**Handling Unhappy Customers**

When you are dealing with unhappy customers, you have two goals. Your first goal is to help the customers solve their problems. Your other goal is to keep each individual as a customer of your business. When you speak with a customer who is upset, apologize for the situation, and explain that you want to help. Next, try to get specific information about the incident, and repeat the complaint back to the customer to make sure you understand. Remain courteous and calm, no matter how agitated the other person has become. When the customer has told his or her story, summarize what actions you will take and what the customer needs to do. End the conversation on a positive note, and repeat that you value the customer's patronage.

Drag each phrase into the correct box to show the correct order of steps to take when dealing with an unhappy customer.

→  →  →  →

Get specific information about the incident | Explain that you want to help | Repeat the complaint back to the customer | Apologize for the situation | Summarize what actions you will take

< Previous | Next >

# 7. GED Test Practice

## GED Test Practice

Students practice all the strategies by answering GED questions.

## Answers

Students check their answers and read the explanations. Review and discuss questions that are difficult for students.

## Action Plan

Students fill in the *Scoreboost* Action Plan to determine if they need more practice in some strategies.

**GED TEST PRACTICE**

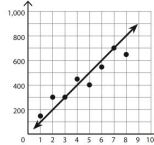
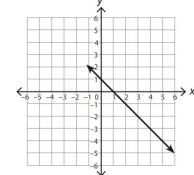
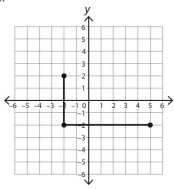
**Part I: You may use a calculator.**  
For questions 1 through 10, choose the one best answer. Write your answer in the box for question 11. Mark your answer on the coordinate plane grid for questions 12 and 13.

quadratic formula  $x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$   
slope of a line  $m = \frac{y_2 - y_1}{x_2 - x_1}$   
slope-intercept  $y = mx + b$   
point-slope  $y - y_1 = m(x - x_1)$

- What is the value of the expression below when  $x = -9$  and  $y = 6$ ?  
 $\frac{x^2}{x + y}$   
(A) 27  
(B) 6  
(C) -27  
(D) -81
- Guy has a total of nine \$20 bills and \$5 bills. The total value of the bills is \$105, how many \$5 bills?  
(A) 4  
(B) 5  
(C) 6  
(D) 7
- What is the value of the following expression when  $x = -7$  and  $y = 13$ ?  
 $\sqrt{x^2 - y} + xy$   
(A) 97  
(B) 12  
(C) -85  
(D) -91
- Solve  $10 - 2x < 22$   
(A)  $x > -6$   
(B)  $x > 6$   
(C)  $x < -6$   
(D)  $x < 6$
- Solve using the quadratic formula:  
 $x^2 + 12x + 10 = -8$   
(A)  $x = 10.243, 1.757$   
(B)  $x = -1.75, -10.243$   
(C)  $x = 9.392, -11.392$   
(D)  $x = 11.392, -9.392$

**Part II: You may not use a calculator.**  
For questions 14 through 23, choose the one best answer in the box for question 24. Mark your answer on the coordinate plane grid for question 25.

See consecutive even numbers is 96. What is the sum of these numbers?

- Five more than 3 times a number is -22. What is the number?  
(A)  $x = -9$   
(B)  $x = -5$
- The graph below shows the number of customer calls the Info Hotline got during its first eight months of operation. The line approximates the number of calls each month. What is the equation of the line?  
  
(A)  $y - 300 = 1(x - 3)$   
(B)  $y - 300 = 100(x - 3)$   
(C)  $y - 100 = 3(x - 1)$   
(D)  $y + 700 = 100(x + 7)$
- Which equation of a line is graphed below?  
(Hint: Find two points on the line.)  
  
(A)  $y = -x$   
(B)  $y = x - 1$   
(C)  $y = x + 1$   
(D)  $y = 1 - x$
- Point A at  $(-1, -3)$  and point B at  $(2, 6)$  lie on the same line. Which of the following is the equation of the line?  
(A)  $y - 6 = 3(x - 2)$   
(B)  $y - 3 = 3(x - 1)$   
(C)  $y - 1 = 2(x - 3)$   
(D)  $y + 3 = 2(x + 1)$
- Luc is 8 years older than Kate. In 10 years, the sum of their ages will be 88. How old is Luc now?  
 years old
- The coordinate grid below shows the location of three vertices of a rectangle. At what point is the fourth vertex?  
Mark your answer on the coordinate plane grid below.  


**42 GED TEST PRACTICE**

**44 GED TEST PRACTICE**