

GED Math Test-Taking Strategies & Calculator Skills

Part 2

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GED Testing Service, Board of Directors





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Before We Get Started








During the webinar, **please:**

1. Keep your sound and video **muted**. This will limit background noise.
2. Ask questions using the **chat function**.
3. Keep in mind that the session is being **recorded** for future viewing.
4. The session and all associated materials will be posted on the GED website at

<https://www.ged.com/educators-admins/professional-development.html>

Agenda

Classroom-ready tools to build learner confidence and close skill gaps!

-  Interactive session with hands-on practice
-  Awareness of challenging GED Math skills gaps
-  High-impact test-taking strategies
-  Time-saving TI-30XS Multiview calculator skills
-  Writing & graphing linear equations (slope-intercept form)

Recap: GED Math Test-Taking Strategies & Calculator Skills Part 1

- About That Math Exam
 - a. Statistics & Test Structure
- Did You Know?
 - a. Test-Taking Tips & Instructional Strategies For All Levels
- Your One Stop Shop For Resources
 - a. Handbooks, Study Guides, Admin & Educator Resources Located on GED.com
- Roll-Up Your Sleeves!
 - a. Hands-on Calculator Practice/Polynomials/Quadratic Equations & Factoring

[-VIDEO: Math Test-Taking Strategies & Calculator Skills Part 1-](#)

[-POWER POINT: Math Test-Taking Strategies & Calculator Skills Part 1-](#)

Join the Quad Squad!

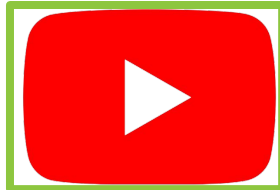
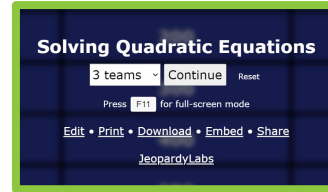
Start With the Quadratic Formula & Factoring?!

Learn several calculator functions with one type of problem, no matter skill level!

BASIC SKILLS w/
ANDRAGOGIC APPROACH:

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

Fractions
Order of Operations
Integers
Squares & Square Roots



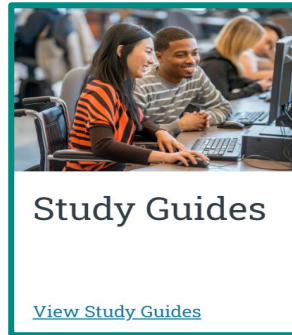
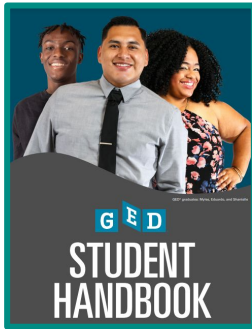
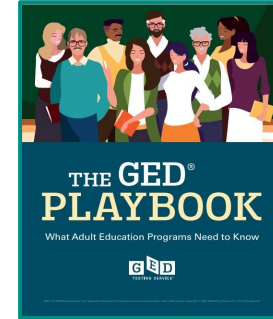
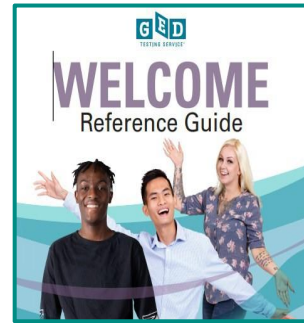
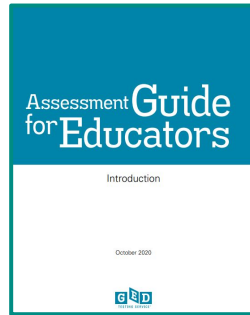
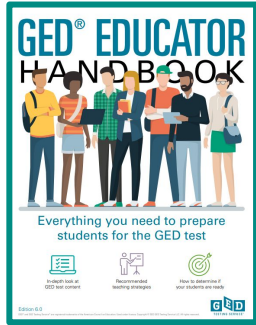
Factor completely.

$$3x^2 + 7x - 6$$

- A. $(x - 6)(3x + 1)$
- B. $(x - 3)(3x + 2)$
- C. $(x + 3)(3x - 2)$
- D. $(x + 6)(3x - 1)$

Factoring Using
Quadratic Formula

Your One Stop Shop for Resources




- all resources for educators & admin-

Your One Stop Shop for Resources



Tutorial

Test Tutorial



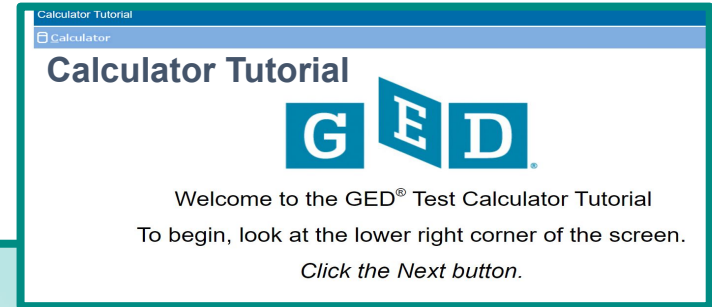
Welcome to the GED® Test Tutorial
To begin, look at the lower right corner of the screen.
Click the Next button.



TESTING SERVICE®
THE GED® TEST ON COMPUTER
Mathematical Reasoning
Practice Test


Free practice tests!

START



Calculator Tutorial

Calculator Tutorial



Welcome to the GED® Test Calculator Tutorial
To begin, look at the lower right corner of the screen.
Click the Next button.

About That Math Exam:

DID YOU KNOW?

Questions on the GED Math test are **not weighted differently**—each typically counts **equally** toward the final score.

That means it's not about doing the *hardest* problems—it's about answering **as many correctly as possible**, no matter the type.

Accuracy + Efficiency = Success

Mastering the TI-30XS Multiview can significantly improve both!

About That Math Exam:

DID YOU KNOW?

Wrong answers do not count against a learner on the GED Math exam. Like any high school-level exam, the GED measures what they know, not what they don't.

Only correct answers count towards a score.

There's no penalty for guessing. So even if a learner is unsure—encourage them to take their best shot. Leaving answers blank means missing out on points they might earn!

About That Math Exam:

DO YOU KNOW?

Time management is Key

Learners spend too much time on a single question. Help them practice strategies to pace themselves, so they don't get stuck on one problem and run out of time. This approach ensures enough time to attempt every question, increasing the chance of completing the test and maximizing the score.

About That Math Exam:

DO YOU KNOW?

“Three minutes to win it!” Strategy

Prioritize Questions: Start with questions that can be answered quickly. This will help build confidence and save time.

Choose & Flag: If a question takes longer than three minutes, choose an answer, flag it, and move on. If there's time, come back to it later.

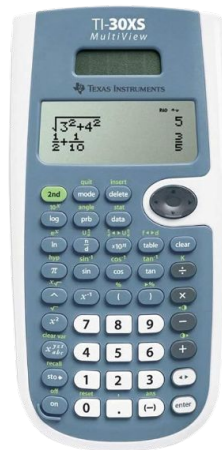
Watch the clock: Keep an eye on the clock. With the “three minutes to win it” strategy, test takers should have plenty of time to go back, review, and pick up more points.

About That Math Exam:

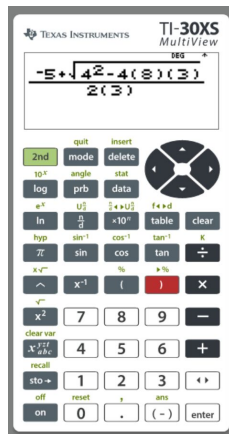
Strategies For All Levels:

- Provide and practice the [-formula sheet-](#) in class often, especially surface area & volume and algebra sections (slopes, quadratic, etc.), no matter content level of class.
- Know how to use calculator (**TI-30XS Multiview**), and promote calculator practice in class, no matter learner level; even during non-calculator practice problems.
- Tell learners about the “Did You Know” scoring information & the “Three minutes to win it”
- Create your own learner account using last name as “**CANDIDATE.**”
- Take the **GED READY PRACTICE TEST** several times & utilize **GED FLASH**

About the TI-30xs Multiview Calculator

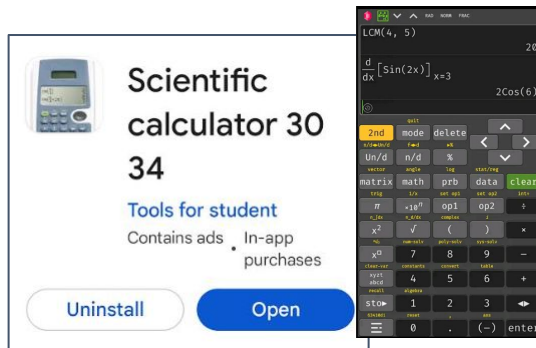


-Hand held-



-Computer
Emulator -

-TI-30xs Guide
for Teachers-



-Android Google Play-

-GED calculator
reference sheet-

-Introduction to
TI-30xs-



-Free web based for
computers, Android, iPhone
(ads)-

Before We Begin Our Practice...

□ The Power of Daily Calculator Use


July 17

Use it Daily—Not Just for Test Prep

- Embed calculator use into daily instruction, not as a separate unit
- Builds fluency, accuracy, and comfort before the test
- Reinforces math thinking —not replaces it!



Independent Verification & Study

-  Model how to check work using the calculator
- Encourage learners to explore and self-correct
- Reduces test anxiety by building confidence

Before We Begin Our Practice...

□ Without a Calculator

 Fundamental Skills


 Deep
Understanding

 Critical Thinking

□ With a Calculator

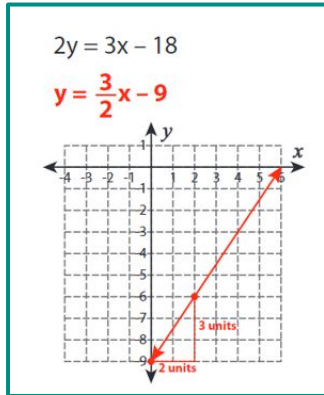
 Error Reduction

 Efficiency Boost

 Confidence
Building

GED Knowledge & Skill Gaps, Part 2

Slopes/Graphing/Linear Equations



$$3y - 15 = -6x$$

$$y = -2x + 5$$

Indicators

calculate slope from a table, graph or equation
graph a two-variable equation

$$(-4, -7) \text{ and } (-6, 9)$$

Related indicators

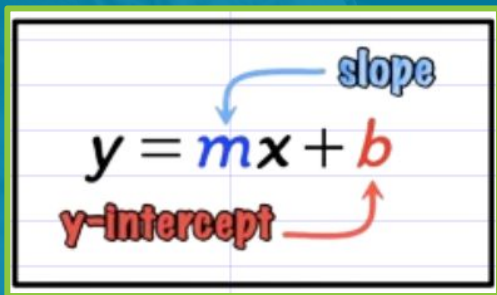
unit rate as slope
writing equations from points and/or slope; working with parallel and perpendicular slopes

$$y = -8x - 39$$

Roll-up Your Sleeves!

Strategies for:

Write the Equation of a Line Given Two Points



A diagram showing the slope-intercept form of a linear equation, $y = mx + b$, on a grid background. The letter m is colored blue, and the letter b is colored red. A blue arrow points from the word "slope" to the m . A red arrow points from the word "y-intercept" to the b .

$$y = mx + b$$

$(-4, -7)$ and $(-6, 9)$

$$y = -8x - 39$$

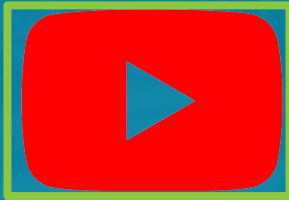


1. Find the equation of a line that passes through the points $(-1, 2)$ and $(2, -1)$

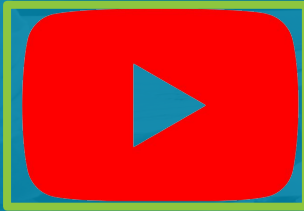


...but wait, there's more!

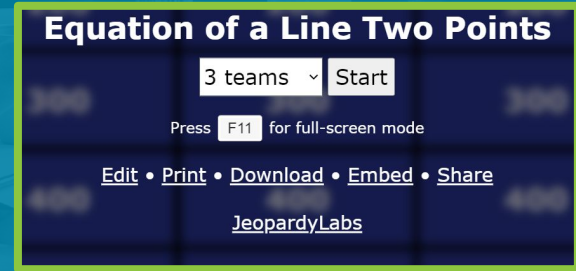
Write the Equation of a Line Given Two Points Resources



Manual



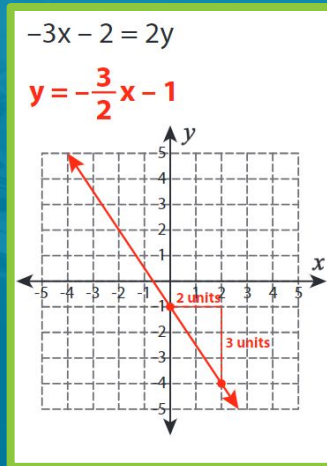
Calculator

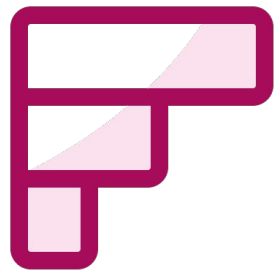


Roll-up Your Sleeves!

Strategies for:

Graphing an Equation in Slope-Intercept Form





Rank your comfort level with each step of converting equations to slope-intercept form and then graphing it, with 1 being the most comfortable and 5 being the least comfortable.

...but wait, there's more!

Graphing an Equation in Slope-Intercept Form Resources

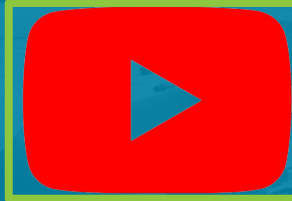
Linear Equations/slope-intercept form 2

3 teams Start

Press F11 for full-screen mode

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Linear Equations/slope-intercept form 3

3 teams Start

Press F11 for full-screen mode

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Roll-up Your Sleeves!

Strategies for:

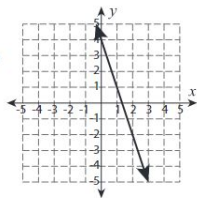
Multiple Choice Graphing an Equation in Slope-Intercept Form

Which of the following equation represents the line on the graph?

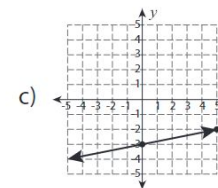
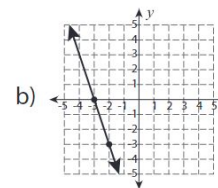
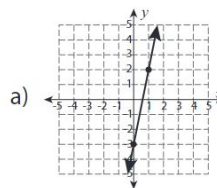
a) $y = x + 4$

b) $y = 2x - 4$

c) $y = -3x + 4$



Which of the following graph represents the equation $y = 5x - 3$?



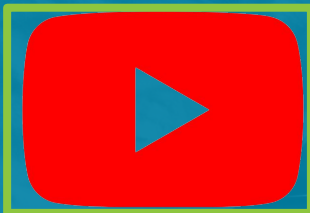


1. Which graph represents:
 $2y = 8 - 8x$?



...but wait, there's more!

Multiple Choice Graphing an Equation in Slope-Intercept Form Resources



2 Which is the graph of the equation? $2x + y = 2$

A.

B.

C.

D.

1 Which is the graph of the equation? $y = \frac{1}{2}x + 3$

A.

B.

C.

D.

Hot Topics



Happy New Year!

Our team has been working hard to bring GED & Me to our Android Users.... And it is coming!

Look for the app in the Android store after New Year's!

Hot Topics

Corrections update: Student Email Post Release field added to student profiles to aid in post release access

We have added a “student email post release” text box when creating student profiles

Details on this update can be found here [Release Student from Corrections program](#)

²⁹ This guide can also be found on the homepage of your GED Manager account under “Helpful Documents”

The hope is that students are able to recover their student accounts post release more easily.

See You Next Year!

Atlanta 2026

July 29-31 | Atlanta Marriott Marquis

Thank You!

Communicate with GED Testing Service®
help@ged.com

