

Top 15 Tips for TSIA2 Math Success

A colorful quick-reference guide for purposeful preparation

1 Start Preparing Early

Give yourself several weeks to review concepts and practice. Consistent study is more effective than cramming.

3 Learn the Four TSIA2 Math Content Areas

Know the major domains so test-day content is familiar.

- Quantitative Reasoning
- Algebraic Reasoning
- Geometric & Spatial Reasoning
- Probabilistic & Statistical Reasoning

5 Practice Math Every Day

Use brief, consistent sessions with quizzes, videos, or practice problems.

- 20–30 minutes of daily practice
- One quiz or 10–15 problems

7 Don't Just Memorize Procedures

Focus on why concepts work so unfamiliar problems are easier to approach.

9 Learn to Use the Embedded Calculator

Practice graphing and scientific calculators so the available tools feel familiar.

11 Complete Full-Length Practice Tests

Use practice tests to build familiarity and identify remaining review needs.

- Build confidence
- Recognize question formats
- Reduce test anxiety

13 Manage Test Anxiety

Prepare physically and use calming habits before testing.

- Sleep and eat adequately
- Arrive early
- Breathe deeply and stay positive

15 Use Campus Support Resources

Ask for help rather than preparing alone.

- Math tutors and faculty office hours
- Study groups and discussion forums
- Academic success centers

2 Take a Diagnostic Assessment First

Identify strengths and weaknesses, then focus study time where improvement is needed.

- Which content area was strongest?
- Which needs the most review?
- What question types are missed most?

4 Focus on Algebra

Spend extra time reviewing core algebra topics.

- Equations and inequalities
- Functions and graphing
- Quadratics, exponents, and polynomials

6 Review Your Mistakes

Study each missed question and determine what happened.

- What mistake did I make?
- What concept should I review?
- How should I solve it correctly?

8 Use Free Online Resources

Use additional explanations and practice opportunities.

- Official TSIA2 sample questions
- Khan Academy, Desmos, MathHelp
- OpenStax, tutoring services

10 Create a Formula and Concept Review Sheet

Build and regularly review a concise reference list.

- Geometry and percent formulas
- Slope formulas and probability concepts
- Common algebra rules

12 Read Questions Carefully

Slow down and read every question completely.

- Do not skip information
- Watch signs and units
- Follow all instructions

14 Believe Improvement Is Possible

Replace “I cannot do this” with “I cannot do this yet, but I can learn.”