

## SAT Crash Course

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# SAT Math Foundations Review Sheet

#### **Desmos Strategies for Equations**

1. Let Desmos	stuff (if the equation has and)	
2. Let Desmos	for (if the equation has = a	)
3	_ and using the	_ (if the equation has a
	_ such as)	
Maximum or minimum? _	the equation and look for the	
Number of	for a quadratic? Count the x	
Two straight lines (a	system) have no solutions if they are	They
have 1 solution if they	·	

#### **Geometry cheat sheet**

The formula sheet has equations about	(sha	napes, triangles, rectangles, volume)			
Click the X symbol in the				of Bluebo	ok to
find the geometry formula sheet					
Area of a triangle =					
Sine =					
Cosine =					
Tangent =					
The Pythagorean Theorem helps us find the				of a triangle	if we
already know the other		. It is	_+	=	
Area of a circle =					
Circumference around a circle =					
Testing Strategy					
SAT Math questions go in order of	_ to				
If you don't know how to solve a question, click		and th	ien		it

Math questions,	, and	are extremely difficult
time-wasters. Many students	them.	
double-check your answ	vers as you go. This	time.
NOW GO GET 'EM! Say 3 times out loud	d: I am	_!

# **Reading & Writing Strategies**

Dom	ain 1: Craft/Structure
Word	s in (Vocab) Questions – Step-by-Step Strategy
<ul><li>2.</li><li>3.</li><li>4.</li></ul>	Ignore the at first.  Read the whole sentence carefully, including after the  Predict your own before looking at the answers.  Look at the answer choices and match one to your  Avoid over
What a	ion/ Questions — Step-by-Step Strategy re Function Questions? ask what a sentence
Steps:	
<ul><li>2.</li><li>3.</li><li>4.</li></ul>	Read the sentence carefully.  Read the sentences.  How does this sentence to the paragraph?  How is this sentence from what's around it?  Pick the choice that best describes its
	Text Connections/Paired Passages – Step-by-Step Strategy
2. 3. 4.	Read the before reading the passages.  If the question asks about Text 2's, you might need to read Text 1.  Predict before looking at the  Use to eliminate wrong answers.  Eliminate wrong answers if they have the wrong/

### **Domain 2: Information & Ideas**

Question Type: Command of Evidence (/Graph-Based)
Goal: Use a graph or table to support a
Steps:
<ol> <li>Skip these if you're short on</li> <li>Start by reading the — not the passage—to see what it is</li> <li>Find the in the passage.</li> <li>Usually at the</li> <li>Use process of</li> <li>Cross out answers that are factually</li> <li>Be wary of extreme (never, always, solely).</li> <li>For science studies, focus on comparing the two</li> </ol>
Red Flag Words: never, a, solely, r, b groups did the same.
Question Type: Command of (Textual) Goal: Find the best evidence that supports a Steps:
<ol> <li>Find the</li> <li>It's almost never the first</li> <li>The claim is usually in the sentence.</li> <li>The first sentence is usually just</li> <li>Make a of what the says.</li> </ol>
Tips:
<ul><li>6. Check each answer against your</li><li>7. Only pick an answer that covers all the key</li></ul>
Question Type: (Logically Completes the Text)
Goal: Find the best concluding
Steps:

1. Realize this is a sentence question.	
2. It should sum up and tie together the whole _	<u> </u>
3. Pay special attention to the sentence	).
4. Ignore the answer at first.	
5. Write your own to the passage.	
6. Watch for "They say," structures, w	which start by saying an idea that isn't
Then it goes on to state a	
Domain 3: Expression of Ideas	
Question Type: Rhetorical Synthesis/	Bullet Points
Goal: Find the only answer that accomplishes the stud	dent's
Steps:	
1 the points at first.	
2. Ignore the sentence in the questio	n
3. Now read the sentence extremely	
4. Highlight words in the	
5. Read each and see if it	
6. If two seem plausible, t	ry to outsmart the test. Just the bullet
·	
Transitions – Quick Reference	
How does this sentence relate to the previous sentence?	Transition words
Opposite/contrasting	, on the hand, while*
Opposite: "Yes, but" to a point	That,, nevertheless, despite/in spite of,
Another fact. It's adding a example to a point.	, furthermore,, in,,
Expanding upon the fact. It's giving an	, in fact, for, for instance, to

example to support the sentence.	, specifically,
Cause and effect. The previous sentence this sentence. "And that's the why"	Therefore,, accordingly
Summary. It the main idea of the previous sentence without adding new information.	That, in conclusion, in, in words
<b>✓</b> General Strategies for All Question Types	
Always start by reading the first.  Create your own before reading the answers.  Avoid extreme unless the passage is extreme.  Compare both for science questions.  read every choice because there might answer.	t be one good answer but another
Key Vocabulary to Know	
1. Assert — To something without evidence.	
2. Underscore — To or highlight.	
<ol> <li>Undermine — To or damage.</li> <li>Obsolete — No longer, outdated.</li> </ol>	
5. Adhere to — To to (like adhesive tape).	
6. Refute — To or show something is wrong.	
7. Subsequently —	
≤ Sample Brain Dump (What to Write After C	lass)
• Claim is never in the first	
<ul> <li>Make a checklist of for Command of Evide</li> </ul>	nce.
• Compare both groups for science	
<ul> <li>Extreme language =</li> <li>Inference = concluding sentence; link back to the</li> </ul>	
<ul> <li>Inference = concluding sentence; link back to the</li> </ul>	<u> </u>

•	Start with the	first for every question.
Unit	3: Gramma	r: Conventions of Standard English
<b>♣</b> Co	omma Sandwich	es: The Most Important Thing to Know
A com	ma sandwich (also ca	alled a comma phrase) is a detail tucked between two
<b>℃</b> Cı	ross It Out and I	Find the Core
₹ W	hy This Matters	:Verb Agreement Questions
<b>⊚</b> Q₁	uick Trick: Spot	the Pattern for Singular/ Questions
Su	ıbstitution Strat	egy
Replac	e the subject with "it	" (singular) or "" (plural).
🏠 Ri	un-ons and	
Find th	e Full	
⚠ Sp	pecial Rule: How	ever Needs!
Rı	un-On Fixes	
To fix a	a run-on, you need:	
1.	Period	
2. 3.	Semicolon Comma + FANBO	VS: (for nor
3.	Comma   TANDO	YS: (for, , nor, , , )

Semicolons in		

# 24 Hours: Tips & tricks you need to know right before the test

Brain dump for Reframing Anxiety: Write down everything you learned, in detail:
1.
2.
3.
4.
5.
6.
7.
8.
9.
10.
Brain dump for Testing Strategies: Write down every single detail you recall from memory:
1.
2.
3.
4.
5.
6.
7.
8.
9.
10.
Own it! Additional thoughts/ideas of how you can make it work for you:
Brain dump for Health and Performance: Write down every single detail you recall from memory:
1.
2.
3.
4.
5.
6.
7.
8.
9.

10.
Own it! Additional thoughts/ideas of how you can make it work for you:
Brain dump for Mindset & Getting Your Head in the Game: Write down every single detail you recall from memory:  1. 2. 3. 4. 5. 6. 7. 8. 9. 10.
Own it! Additional thoughts/ideas of how you can make it work for you:
Overall reflection:
Write a few things that surprised you (including the presentation and the video):  1.  2.  3.  4.  5.
Write the most important things that you definitely want to remember:  1.  2.  3.  4.  5.
Write a few things you already knew and plan to use:
1. 2. 3.

Write any strategies/ideas that you <b>don't</b> plan to use:	
Reread your notes, brain dumps, and additional thoughts Remember?	. What are your top 2 Most Essential Things to
1. 2.	
Commit to a plan:	
At (time and day), I will _	
At (time and day), I will _	

5.

Now put your plan into your calendar/planner/to-do list/ask your parents to help you remember to do it. Then do it!

At (time and day) \_\_\_\_\_\_, I will \_\_\_\_\_.

At (time and day) \_\_\_\_\_\_, I will \_\_\_\_\_.

At (time and day) \_\_\_\_\_, I will \_\_\_\_\_.