

THE COLLEGE BOARD

SAT Test Directions Translated into <LANGUAGE> for Students

Spring 2017 School Day Only

Notes to the Supervisor: This document should be printed and distributed once students are seated.

Students may use this document to read translations of the directions that are read aloud or printed in their test book.

Students may keep this document open and on their desk during the entire testing period.

Students may **not** be given additional time, unless approved by College Board as a separate accommodation.

Collect this document from each student at the end of testing and destroy it.

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Notes to the Student

- The following is a translation of the directions the supervisor will read aloud as well as the written directions found in your test book. These translated directions may not match word-for-word what is read by your supervisor; however, the pertinent information is the same. If you have questions about what is being read by your supervisor, please raise your hand.
- You may keep this document on your desk for the entire testing time, but must return it to the supervisor after testing.
- You may NOT use this document for scratch paper.
- At various times, your supervisor will announce the time remaining in the section, as well as breaks when appropriate. If you are testing with an approved accommodation, these announcements may differ from the timing and breaks listed in this translated document. Please listen carefully to the announcements read by your supervisor.
- If you are testing with approved accommodations, your supervisor may give you additional directions in English.
- In some cases, your state or district may have unique instructions or policies related to admission tickets. Please listen and follow direction from your supervisor regarding how to complete the registration number field on your answer sheet.
- Icons are used throughout this document to draw your attention to specific information:



Important information




Directions spoken by your supervisor




Directions found in your test book

Directions Read by the Supervisor

Your supervisor will begin by saying:

-  Good morning. Today you are going to take the SAT. This is your chance to show how prepared you are for college and career. If you have questions about any of the instructions I give you, please ask them, so that you can be sure of doing your best. Please take a look at your Admission Ticket now. Raise your hand if your ticket shows the word “Roster” or the letters “N A R” in the header.


If your school is taking the SAT with Essay, your supervisor will say:

-  In this room you will be taking the SAT with Essay.

If your school is taking the SAT (without the Essay), your supervisor will say:

-  In this room you will be taking the SAT; you will not be taking the SAT Essay.

Your supervisor will continue with the following directions:

-  The College Board has policies that are designed to give each of you an equal opportunity to show your abilities. We will dismiss and cancel the scores of anyone who tries to gain an unfair advantage by:

- Giving or receiving help of any kind
- Looking through the test book before the start of the test

- Working on the wrong section or referring to a previous or future section in the test book or answer sheet
- Using a calculator during a non-calculator section
- Marking answers after time is called
- Sharing test questions with anyone during or after the test
- Using any unauthorized testing aids, including phones, during testing or on breaks
- Attempting to take the test for someone else

You may also be dismissed for:

- Eating or drinking in the testing room unless you have an approved accommodation
- Causing a disturbance of any kind
- Failing to follow testing procedures
- Going to your locker or leaving the building during breaks

You will have until 11:59 p.m. the third business day from the date you complete testing to file a test day complaint. If you see any behavior that causes you concern, please notify the test center supervisor, who will explain how to contact the College Board. Are there any questions?

Please listen carefully to the following information about phones and other electronic equipment. The use of phones or other prohibited electronic devices at any time in this test center is prohibited. At this time, if you still have a phone, watch alarm, handheld computer, or any other electronic device in your possession, you need to completely power it off and put it under your desk until testing is over. If your phone or other prohibited device makes any noise or you are seen using it at any time, including breaks, you will be dismissed and your scores will be canceled. In addition, any electronic device that is not turned off and put away may be confiscated and its contents inspected as part of a thorough investigation.

Now we're going to prepare to start the test.


- Remove everything from your desk except your Admission Ticket, pencils, erasers, and acceptable calculator.
- Remove any earplugs, which may not be worn during testing; any highlighters; rulers; dictionaries or other books; pens or colored pencils; pamphlets; and papers of any kind, including scratch paper — these are all prohibited.
- If you brought a backup calculator or extra batteries, get those out and put them on the floor under your desk.
- Place any water bottles under your desk. Close all bags and backpacks and put them under your desk until the test is over.

I will take a moment now to look around and make sure you are using approved calculators.

You may not share or exchange calculators at any time. Put your calculator and extra batteries under your desk now. You will not need them until a later section. I am going to give test materials to each of you now. Do not open them.

When you get the test book, turn it over and read the back cover. It has important information about timing, marking answers, and scoring. When you have finished reading, please look up.

Front Cover Directions

 *The following is a translation of the front cover of your test book.*


IMPORTANT REMINDERS

1. A No. 2 pencil is required for the test. Do not use a mechanical pencil or pen.
2. Sharing any questions with anyone is a violation of Test Security and Fairness policies and may result in your scores being canceled.

THIS TEST BOOK MUST NOT BE TAKEN FROM THE ROOM. UNAUTHORIZED REPRODUCTION OR USE OF ANY PART OF THIS TEST BOOK IS PROHIBITED.

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Back Cover Directions

 *The following is a translation of the back cover of your test book. When instructed, you should write on the test book or the answer sheet, not this document of translated directions.*

YOUR NAME (PRINT) _____

LAST FIRST MI

TEST CENTER _____

NUMBER NAME OF TEST CENTER ROOM NUMBER

The SAT®

GENERAL DIRECTIONS

- You may work on only one section at a time.
- If you finish a section before time is called, check your work on that section. You may NOT turn to any other section.

IMPORTANT

The codes below are unique to your test book. Copy them on your answer sheet in boxes 8 and 9 and fill in the corresponding circles exactly as shown.

MARKING ANSWERS

- Be sure to mark your answer sheet properly.

COMPLETE MARK  **EXAMPLES OF INCOMPLETE MARKS**        

- You must use a No. 2 pencil.
- Carefully mark only one answer for each question.
- Make sure you fill the entire circle darkly and completely.
- Do not make any stray marks on your answer sheet.
- If you erase, do so completely. Incomplete erasures may be scored as intended answers.
- Use only the answer spaces that correspond to the question numbers.

USING YOUR TEST BOOK

- You may use the test book for scratch work, but you will not receive credit for anything that you write in your test book.
- After time has been called, you may not transfer answers from your test book to your answer sheet or fill in circles.
- You may not fold or remove pages or portions of a page from this book, or take the book or answer sheet from the testing room.

SCORING

- For each correct answer, you receive one point.
- You do not lose points for wrong answers; therefore, you should try to answer every question even if you are not sure of the correct answer.


9	TEST ID					

8	FORM CODE					
A	A	A	A	0	0	0
B	B	B	B	1	1	1
C	C	C	C	2	2	2
D	D	D	D	3	3	3
E	E	E	E	4	4	4
F	F	F	F	5	5	5
G	G	G	G	6	6	6
H	H	H	H	7	7	7
I	I	I	I	8	8	8
J	J	J	J	9	9	9
K	K	K	K			
L	L	L	L			
M	M	M	M			
N	N	N	N			
O	O	O	O			
P	P	P	P			
Q	Q	Q	Q			
R	R	R	R			
S	S	S	S			
T	T	T	T			
U	U	U	U			
V	V	V	V			
W	W	W	W			
X	X	X	X			
Y	Y	Y	Y			
Z	Z	Z	Z			

Ideas contained in passages for this test, some of which are excerpted or adapted from published material, do not necessarily represent the opinions of the College Board.

DO NOT OPEN THIS BOOK UNTIL THE SUPERVISOR TELLS YOU TO DO SO.

Your supervisor will continue with the following directions:

 Are there any questions about the information you just read?

It is important that you understand how to mark your answers. Unless you are approved to do so, you may not mark your answers in your test book — only answers marked on the answer sheet will be scored. Please listen carefully to these instructions, because they are critical to the scoring of your test. If you don't follow my directions exactly, you may not receive a score.

Make sure you are using a Number 2 pencil and that you fill in the circles darkly and completely on the answer sheet. If you change your response, erase it as completely as possible. Avoid making stray marks, and do not use your answer sheet for scratch work. It is very important that you follow these instructions when filling out your answer sheet.

If you are using a large-block answer sheet, also read the instructions on the front of the answer sheet about where and how to mark your answers. You will be marking "X" in relevant boxes rather than filling in circles, and the page numbers will be different from those that I announce.

On the back of your test book, print your last name, first name, and middle initial, if you have one. Then print this test center's number, test center name, and this room number (or name).

Now look at the front of your answer sheet (or page 2 of your large-block answer sheet). You are going to enter personal information on this page. Make sure that your personal information matches what is on your Admission Ticket. Whenever you see corresponding circles or boxes for an item, fill them in.

In item 1:

- Print your last name, first name, and middle initial, if you have one, exactly as they appear on your Admission Ticket.
- Read the statement on the next line, then sign your full name. Look up when you are done.
- Today's date is _____. Write the numbers for the month, day, and year for today's date.
- Next, print your home address.
- Print your phone number, including the area code.
- Print the city and state of this test center. Look up when you are done.

In item 2: Print the first six letters of your last (or family) name, the first four letters of your first (or given) name, and your middle initial, if you have one. Include blanks, dashes, or apostrophes if these are part of your name. The order and spelling of your name must exactly match your Admission Ticket. Fill in the corresponding circles.

In item 3: Fill in the circle for the month of your birth (or on the large-block answer sheet, fill in the two digits for the month). Next, write in the two-digit numbers for the day and year of your birth. Start with a zero if the number is less than 10 (for example, for the number 3, write 0 followed by 3). Fill in the circles. Look up when you are done.

In item 4: Print your registration number and fill in the circles. Copy the registration number that is printed on your Admission Ticket. Make sure you provide this information correctly and completely.

In item 5: Write in the ZIP code of your home address and fill in the corresponding circles.

In item 6: Print the number of this test center as posted and fill in the circles. Look up when you are done.

Now remove the Admission Ticket from your desk. Keep your ticket with you at all times during the test, especially during breaks.

In item 7: Turn to the front cover of your test book. Find the area in the upper right-hand corner labeled “Test Book Serial Number” and enter the number printed onto item 7 on your answer sheet. Fill in the circles.

In item 8: Turn to the back cover of your test book. Find the box labeled “8. Form Code” and enter the code onto item 8 on your answer sheet. Fill in the circles exactly as shown.

In item 9: Copy the number from the box labeled “9. Test ID” exactly as shown. Look up when you are done.

Take a moment to ensure that items 8 and 9 on your answer sheet are completed correctly. In order to score your test, items 1 through 9 must be completed correctly.

Now listen to this important information. If you wish to cancel your scores before you leave, ask me for a Request to Cancel Test Scores form, which you must complete before you leave the room. To cancel your scores later, you must notify the College Board in writing no later than 11:59 p.m. on the third business day from the day you complete testing. Send your signed cancellation request by overnight mail or fax. You cannot cancel your scores with an email message or phone call.


Note that canceled scores will still be sent to your state and district, and will be accessible to your school, but will not be sent by the College Board to your chosen colleges or scholarship organizations. And, once canceled, your scores may not be reinstated for reporting to colleges. Completing and submitting this form will make your SAT scores not reportable to colleges or scholarship organizations; however your state, district, and school will still receive them as part of sponsored testing.

If you finish before time is called, you may NOT turn to any other section. During testing, keep your answer sheet and test book flat in the center of your desk. If you find a defect with either your test book or answer sheet, or if you realize that you’ve been writing answers in the wrong section of your answer sheet, raise your hand at that time. You will only receive credit for answers recorded on your answer sheet. This applies to all of you unless you have approval from the College Board to record your answers differently. You may not use your answer sheet for scratch work.


I will walk around the room to check your progress. I will also keep the official time for the test. You will have breaks during the test, when you can leave this room to have a snack or use the restroom.

Answer sheets and test books and other testing materials must never be removed from the testing room. Remember, after the test has ended, no one may leave the room until I announce dismissal. If you have any questions about testing procedures, please ask them now. I cannot answer questions during the timed sections of the test.


Section 1: Reading Test

 *The standard time for Section 1 is **65 minutes**, with a **10-minute break** at the end of the section. If you are testing with an approved accommodation, your timing and breaks may be different. Please listen carefully to the announcements read by your supervisor.*

Your supervisor will read the following directions for Section 1, Reading Test:

 Do not begin work until I tell you to. If you finish before time is called, you may NOT turn to any other section. Turn to Section 1 of your answer sheet. Keep your answer sheet, test book and translated test directions (if applicable) flat on your desk. You are not allowed to use a calculator on this section. Please keep your calculator under your desk. Now, open your test book to Section 1, read the directions, and begin work.

Section 1 Test Book Directions

 *The following is a translation of the directions found at the beginning of Section 1 of your test book.*


65 MINUTES, 52 QUESTIONS (STANDARD TIME)

Turn to Section 1 of your answer sheet to answer the questions in this section.

DIRECTIONS


Each passage or pair of passages below is followed by a number of questions. After reading each passage or pair, choose the best answer to each question based on what is stated or implied in the passage or passages and in any accompanying graphics (such as a table or graph).

At the end of the section, your supervisor will say:

 Stop work and put your pencil down. We will now stop for a 10-minute break. Close your answer sheet and place it inside the front of your test book. Close your test book and leave it on your desk. If you are using translated instructions, leave them on your desk. If you have brought a snack, you may eat it in designated areas only. Do not go anywhere other than designated areas, the hallway, or the restroom. Do not talk in the hallway or discuss the test questions with anyone. Be considerate of those in other rooms. You may not use any electronic device, including a phone. Any devices must remain out of sight under the desks. We will start testing again in exactly 10 minutes. Return promptly. I cannot give extra time if you are late returning. Take your ID and Admission Ticket with you if you leave the room.


Certification Statement

Your supervisor will continue with the following directions:


 Please take your seat. Take out your answer sheet, but leave your test book closed. Turn to the back page of your answer sheet, and find the Certification Statement Box. Copy the requested statement and sign and date using your full name as you would on an official document. The statement must be made in your own handwriting style, either printed or in script, and it is required. The quality of your handwriting will not be used to calculate your score.

When you submit your answer sheet you are agreeing to the following conditions: You will not, under any circumstances, take any test questions from the testing room, give them to anyone, or discuss them with anyone through any means, including, but not limited to, email, text messages, or the Internet. These conditions are spelled out in the *Registration and Questionnaire Booklet* and online at **sat.org**. Look up when you are done.


Section 2: Writing and Language Test

 *The standard time for Section 2 is **35 minutes**. If you are testing with an approved accommodation, your timing and breaks may be different. Please listen carefully to the announcements read by your supervisor.*

Your supervisor will read the following directions for Section 2, Writing and Language:

 Now turn to Section 2 of your answer sheet. Do not begin work until I tell you to do so. Keep your answer sheet, test book, and translated test directions flat on your desk. If you finish before time is called, you may NOT turn to any other section. You are not allowed to use a calculator on this section. Please keep your calculator under your desk. Be sure to mark your answers in the correctly numbered spaces in Section 2. Now, open your test book to Section 2, read the directions and begin work.

Section 2 Test Book Directions

 *The following is a translation of the directions found at the beginning of Section 2 of your test book.*

35 MINUTES, 44 QUESTIONS (STANDARD TIME)

Turn to Section 2 of your answer sheet to answer the questions in this section.


DIRECTIONS

Each passage below is accompanied by a number of questions. For some questions, you will consider how the passage might be revised to improve the expression of ideas. For other questions, you will consider how the passage might be edited to correct errors in sentence structure, usage, or punctuation. A passage or a question may be accompanied by one or more graphics (such as a table or graph) that you will consider as you make revising and editing decisions.


Some questions will direct you to an underlined portion of a passage. Other questions will direct you to a location in a passage or ask you to think about the passage as a whole.

After reading each passage, choose the answer to each question that most effectively improves the quality of writing in the passage or that makes the passage conform to the conventions of standard written English. Many questions include a “NO CHANGE” option. Choose that option if you think the best choice is to leave the relevant portion of the passage as it is.


At the end of the section, your supervisor will say:

 Stop work and put your pencil down. Close your test book.

Section 3: Math Test – No Calculator

 *The standard time for Section 3 is **25 minutes**, with a **5-minute break** at the end of the section. If you are testing with an approved accommodation, your timing and breaks may be different. Please listen carefully to the announcements read by your supervisor.*


Your supervisor will read the following directions for Section 3, Math Test – No Calculator:

 Although this is a math section, you are NOT allowed to use a calculator on this portion of the test. Please keep your calculator under your desk.

Turn to Section 3 of your answer sheet. Do not begin work until I tell you to do so. Keep your answer sheet and test book flat on your desk. Be sure to mark your answers in the correctly numbered spaces in Section 3. For the questions labeled “Student-Produced Responses,” which are at the end of this section,

follow the instructions for marking your answers that are given in your test book. These student-produced answers can be shorter, but not longer, than four numerals. Now, open your test book to Section 3, read the directions, and begin work.

Section 3 Test Book Directions

 The following is a translation of the directions found at the beginning of Section 3 of your test book.

25 MINUTES, 20 QUESTIONS (STANDARD TIME)

Turn to Section 3 of your answer sheet to answer the questions in this section.

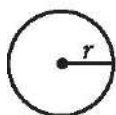
DIRECTIONS

For questions 1–15, solve each problem, choose the best answer from the choices provided, and fill in the corresponding circle on your answer sheet. For questions 16–20, solve the problem and enter your answer in the grid on the answer sheet. Please refer to the directions before question 16 on how to enter your answers in the grid. You may use any available space in your test booklet for scratch work.

NOTES

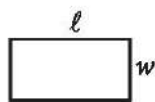
1. The use of a calculator **is not permitted**.
2. All variables and expressions used represent real numbers unless otherwise indicated.
3. Figures provided in this test are drawn to scale unless otherwise indicated.
4. All figures lie in a plane unless otherwise indicated.
5. Unless otherwise indicated, the domain of a given function f is the set of all real numbers x for which $f(x)$ is a real number.

REFERENCE

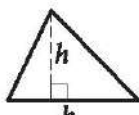


$$A = \pi r^2$$

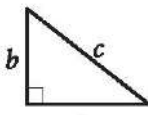
$$C = 2\pi r$$



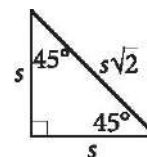
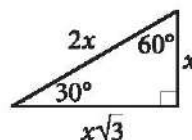
$$A = \ell w$$



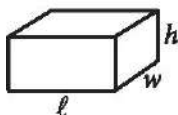
$$A = \frac{1}{2}bh$$



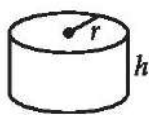
$$c^2 = a^2 + b^2$$



Special Right Triangles



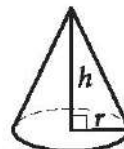
$$V = \ell wh$$



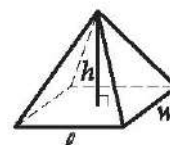
$$V = \pi r^2 h$$



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



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



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

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

The number of radians of arc in a circle is 2π .

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

DIRECTIONS

For questions 16–20, solve the problem and enter your answer in the grid, as described below, on the answer sheet.

- Although not required, it is suggested that you write your answer in the boxes at the top of the columns to help you fill in the circles accurately. You will receive credit only if the circles are filled in correctly.
- Mark no more than one circle in any column.
- No question has a negative answer.
- Some problems may have more than one correct answer. In such cases, grid only one answer.
- Mixed numbers** such as $3\frac{1}{2}$ must be gridded

Answer: $\frac{7}{12}$

7	/	1	2
<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9

Write answer in boxes. ← Fraction line

Grid in result.

Answer: 2.5

2	.	5	
<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9

← Decimal point

Acceptable ways to grid $\frac{2}{3}$ are:

2	/	3	
<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9

.	6	6	6
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9

.	6	6	7
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9

3	1	/	2
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9

as 3.5 or 7/2. (If  is entered into the

grid, it will be interpreted as $\frac{31}{2}$, not $3\frac{1}{2}$.)


Answer: 201 – either position is correct

2	0	1	
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9


2	0	1	
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9

NOTE: You may start your answers in any column, space permitting. Columns you don't need to use should be left blank.


At the end of the section, your supervisor will say:

 Stop work and put your pencil down. Put your answer sheet inside the front of your test book. Close your test book and leave it on your desk. If you are using translated instructions, leave them on your desk. We will now stop for a 5-minute break. If you have brought a snack, you may eat it in designated areas only. As before, do not go anywhere other than designated areas, the hallway, or the restroom. Do not talk in the hallway or discuss the test questions with anyone. You may not use any electronic device, including a phone. Any devices must remain out of sight under the desks. We will start testing again in exactly 5 minutes. Return promptly. I cannot give extra time if you are late returning. Take your ID and Admission Ticket with you if you leave the room.

Section 4: Math Test – Calculator

 *The standard time for Section 4 is **55 minutes**, with a **2-minute break** at the end of the section for those taking SAT with Essay. If you are testing with an approved accommodation, your timing and breaks may be different. Please listen carefully to the announcements read by your supervisor.*

Your supervisor will read the following directions for Section 4, Math Test – Calculator:

 Please take your seat. Do not open your test book until I tell you to do so. For this section, Math Test – Calculator, you may use a calculator. Please take your calculator out and place it in the center of your desk.


All math questions can be answered without a calculator. When using a calculator, follow these guidelines:

- Keep it flat on your desk or hold it so that other test-takers cannot view your work.
- Do not share or exchange your calculator.
- If you brought a backup calculator, keep it on the floor underneath your desk.
- If your calculator malfunctions and you have batteries or a backup calculator, raise your hand. I will see if your substitute is acceptable. If you do not have a backup, continue to test.

For the questions labeled “Student-Produced Responses,” which are at the end of this section, follow the instructions for marking your answers that are given in your test book. These student-produced answers can be shorter, but not longer, than four numerals.

Be sure to mark your answers in the correctly numbered spaces in Section 4. If you finish before time is called, you may NOT turn to any other section. Take your answer sheet out of the test book and turn to Section 4. Keep your answer sheet and test book flat on your desk. Now, open your test book to Section 4, read the directions, and begin work.

Section 4 Test Book Directions

 The following is a translation of the directions found at the beginning of Section 4 of your test book.

55 MINUTES, 38 QUESTIONS (STANDARD TIME)

Turn to Section 4 of your answer sheet to answer the questions in this section.

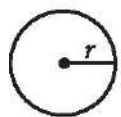
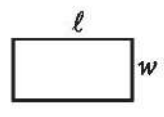
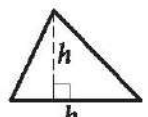
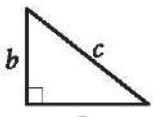
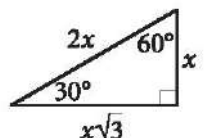
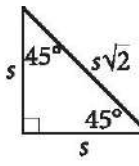
DIRECTIONS

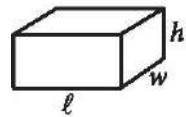
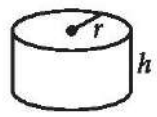

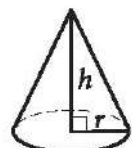
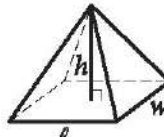
For questions 1–30, solve each problem, choose the best answer from the choices provided, and fill in the corresponding circle on your answer sheet. For questions 31–38, solve the problem and enter your answer in the grid on the answer sheet. Please refer to the directions before question 31 on how to enter your answers in the grid. You may use any available space in your test booklet for scratch work.

NOTES

1. The use of a calculator is permitted.
2. All variables and expressions used represent real numbers unless otherwise indicated.
3. Figures provided in this test are drawn to scale unless otherwise indicated.
4. All figures lie in a plane unless otherwise indicated.
5. Unless otherwise indicated, the domain of a given function f is the set of all real numbers x for which $f(x)$ is a real number.

REFERENCE

					
$A = \pi r^2$ $C = 2\pi r$	$A = \ell w$	$A = \frac{1}{2}bh$	$c^2 = a^2 + b^2$	Special Right Triangles	

				
$V = \ell wh$	$V = \pi r^2 h$	$V = \frac{4}{3}\pi r^3$	$V = \frac{1}{3}\pi r^2 h$	$V = \frac{1}{3}\ell wh$

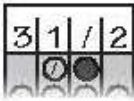
The number of degrees of arc in a circle is 360.
 The number of radians of arc in a circle is 2π .
 The sum of the measures in degrees of the angles of a triangle is 180.

DIRECTIONS

For questions 31–38, solve the problem and enter your answer in the grid, as described below, on the answer sheet.

- Although not required, it is suggested that you write your answer in the boxes at the top of the columns to help you fill in the circles accurately. You will receive credit only if the circles are filled in correctly.
- Mark no more than one circle in any column.
- No question has a negative answer.
- Some problems may have more than one correct answer. In such cases, grid only one answer.
- Mixed numbers** such as $3\frac{1}{2}$ must be gridded

Two grid examples are shown. The first grid is for the answer $\frac{7}{12}$. The top row contains the digits '7', '/', '1', and '2'. Below this, the grid is filled with circles. The circles for '7', '1', and '2' are filled. A label 'Write answer in boxes.' points to the top row, and 'Grid in result.' points to the circles. A 'Fraction line' label points to the slash symbol. The second grid is for the answer 2.5. The top row contains '2', '.', and '5'. The circles for '2', '.', and '5' are filled. A 'Decimal point' label points to the decimal point symbol.

as 3.5 or 7/2. (If  is entered into the

grid, it will be interpreted as $\frac{31}{2}$, not $3\frac{1}{2}$.)

Acceptable ways to grid $\frac{2}{3}$ are:

Three grid examples are shown for the fraction $\frac{2}{3}$. The first grid shows '2 / 3' with the circles for '2', '/', and '3' filled. The second grid shows '. 6 6 6' with the circles for '.', '6', '6', and '6' filled. The third grid shows '. 6 6 7' with the circles for '.', '6', '6', and '7' filled.


- Decimal answers:** If you obtain a decimal answer with more digits than the grid can accommodate, it may be either rounded or truncated, but it must fill the entire grid.


Answer: 201 – either position is correct

Two grid examples are shown for the answer 201. The first grid has '2', '0', and '1' in the first three columns, with the circles below them filled. The second grid has '2', '0', and '1' in the last three columns, with the circles below them filled.


NOTE: You may start your answers in any column, space permitting. Columns you don't need to use should be left blank.

At the end of Section 4, your supervisor will say:


 Stop work and put your pencil down. Close your test book and answer sheet. Place your answer sheet next to your test book.

 If you are taking the SAT (without the Essay) turn to “After the Test” on page 18 of this document.


If you are taking the SAT with Essay, your supervisor will continue by saying:

 Place your calculator under your desk. We will now stop for a 2-minute stretch break. You may not leave the room or discuss test questions. You may not use any electronic device, including a phone. Any devices must remain out of sight under the desks.


At the end of the break, your supervisor will say:

 Please take your seat. I will now collect your test books. You will need to keep your answer sheets and translated test directions (if applicable) for the Essay section of the test. Please sit quietly while I collect and count the test books.

Section 5: SAT Essay


 The standard time for Section 5 is **50 minutes**. If you are testing with an approved accommodation, your timing and breaks may be different. Please listen carefully to the announcements read by your supervisor.

Your supervisor will read the following directions for Section 5, SAT Essay:

 Now, open your answer sheet to page 6 (or page 14 of a large-block answer sheet). Please take a moment to read the statement at the top about the use of your essay, then decide whether or not to mark the circle or box. When you have finished reading, please look up.

I will now give an Essay book to each of you. Do not open your Essay book until I tell you to do so. On the back of your Essay book, print your last name, first name, and middle initial, if you have one. Then print this test center’s number, test center name, and this room number (or name).

Back Cover Directions

 The following is a translation of the back cover of your Essay book. When instructed, you should write on the Essay book or the answer sheet, not this document of translated directions.


YOUR NAME (PRINT)	_____	_____	_____
	LAST	FIRST	MI

TEST CENTER	_____	_____	_____
	NUMBER	NAME OF TEST CENTER	ROOM NUMBER

Ideas contained in the passage for this test, which is excerpted or adapted from published material, do not necessarily represent the opinions of the College Board.


DO NOT OPEN THIS BOOK UNTIL THE SUPERVISOR TELLS YOU TO DO SO.

Your supervisor will then say:

 You may make notes and plan your essay on the unlined Planning Page in your answer sheet, but anything written there will not be scored. When you are ready, you'll need to start writing your essay on page 7 of the answer sheet and can continue on pages 8 through 10, if needed. If using a large block answer sheet, you must use pages 16 through 22 of your answer sheet. You must fit your essay into those pages and within the margins marked. No extra pages are allowed. You must write your essay using a Number 2 pencil. If you do not use a pencil, you will receive a score of zero. If you finish before time is called, you may NOT turn to any other section. If you try to work on a different section of the test, I will need to report it, and your scores may be canceled. If you leave your essay blank, you will receive an essay score of zero.

Read the directions on the front of your Essay book, then open the book and begin work.

Front Cover Directions

 The following is a translation of the directions found on the front cover of your Essay book.

DIRECTIONS

The essay gives you an opportunity to show how effectively you can read and comprehend a passage and write an essay analyzing the passage. In your essay, you should demonstrate that you have read the passage carefully, present a clear and logical analysis, and use language precisely.


Your essay must be written on the lines provided in your answer booklet; except for the Planning Page of the answer booklet, you will receive no other paper on which to write. You will have enough space if you write on every line, avoid wide margins, and keep your handwriting to a reasonable size. Remember that people who are not familiar with your handwriting will read what you write. Try to write or print so that what you are writing is legible to those readers.

You have 50 minutes (standard time) to read the passage and write an essay in response to the prompt provided inside this booklet.

THIS TEST BOOK MUST NOT BE TAKEN FROM THE ROOM. UNAUTHORIZED REPRODUCTION OR USE OF ANY PART OF THIS TEST BOOK IS PROHIBITED.

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At the end of Section 5, your supervisor will say:

 Stop work. Put your pencil down. Close your answer sheet and your Essay book. Place your answer sheet next to your Essay book.

After the Test

When testing is over, your supervisor will say:

- ▶▶ Place your Admission Ticket on the desk in plain sight. I will now collect your answer sheet and test materials. Please sit quietly until you are dismissed.

Remember, you should not under any circumstances, take any test questions from the testing room, give them to anyone, or discuss them with anyone through any means, including email, text messages, or the Internet.

If you are taking the SAT with Essay, your supervisor will say:

- ▶▶ In addition, you are not permitted to discuss or share today's essay question until after the essay is available online.

Your supervisor will then say:

- ▶▶ This test administration is now over. Gather your belongings and exit the room quietly. Please keep in mind that students in other rooms may still be testing. Thank you for your cooperation.