I Speak BASIC to My Commodore 64

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EXAM SET

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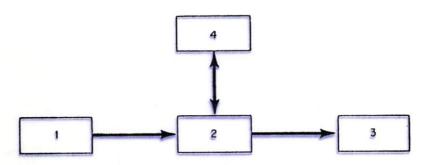


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QUIZ #1 Hardware (the Machines)



 Above is a BOX DIAGRAM of a computer. Place the correct number beside the words that the boxes represent.

Memory Unit
Output Unit
Processor Unit
Input Unit

II. What is the major difference between a computer and a person?

III. Match Column A with Column B.

A

1.	 Keyboard
_	

2. ____ Microprocessor

3. ____ Tape Recorder

4. ____ Software

5. ____ Input Unit

6. ____ Output Unit

7. ____ Memory

8. ____ Processor

9. ____ Hardware

10. ____ 1/0

11. ____ Display

12. ____ 0's and 1's

13. ____ RAM

14. _____ Volatile Memory

15. ____ ROM

B

A. Binary conditions

B. Computer and computer-related equipment—the machines

C. Interprets, controls, and/or calculates

D. An input device

 E. A very small processor that is part of a microcomputer

F. Video output device

 G. The instructions or computer program

 H. Stores or remembers information

Means input/output

J. An input/output device

K. Results and answers

Data and instructions

M. Read Only Memory

N. Random Access Memory

 O. Information stored in memory is destroyed if power fails

Software (the "Program")

E,	the (hardware, software) but are also known as the (machines, program).
2.	The set of instructions for the computer is called the (hardware, software) and is also known as the (machines, program)
3.	Computers speak in language.
4.	Machine language is a form of binary coding where binary is a word meaning
5.	The binary codes can be either a or
6.	The language you use to write programs for the Commodore 64 is called
7.	The part of the computer that translates BASIC instructions into machine code is called the
8.	The computer will start executing a program at the (lowest, highest) line number unless told to start elsewhere.
9.	When using line numbers, we normally use some multiple of 10 to leave space for
10.	To program you must learn the first.

Your First Computer Program

1. To clear memory of any program that may be stored there, the command to use is a. STOP b. SHIFT c. NEW d. RUN	10. A program statement that is never printed out but helps the programmer to understand the program when he/she reviews it
A command that tells the computer to execute the program beginning at the lowest-numbered line is a. NEW b. RUN c. LIST d. PRINT	a. 10 PRINT c. 10 REM b. 10 NEW d. 10 MEM
3. A command that tells the computer to display the program at Line 30 is a. LIST 30 c. RUN 30 b. PRINT 30 d. STOP 30	11. Pressing this special function key tells the computer to "look at" or to enter what you have just typed a. STOP c. RETURN b. SHIFT d. PRINT
 A command that tells the computer to display all of your program lines starting with the lowest number is RUN b. NEW c. LIST d. END 	The first part of any BASIC program statement: a. Key Word b. Line Number d. Variable
5. A command that tells the computer to display all program lines starting at Line 30 to, and including, Line 50 is a. RUN 30-50 b. NEW 30-50 c. PRINT 30-50 b. NEW 30-50 d. LIST 30-50 6. If you wish to insert a space between printed lines, you would use the following program statement	A button on the keyboard that lets you restart your computer if it "freezes up" on you (i.e., if you cannot type anything) is a. CTRL
a. 15 PRINT SPACE c. 15 PRINT b. 15 SPACE d. 15 LIST	14. Some keys have two characters or symbols. The key that lets you get the upper characters isa. CTRLc. Space
7. If you wish to print the word "Leeds," you would use a. 10 PRINT LEEDS c. 10 PRINT "LEEDS" b. 10 LIST LEEDS d. 10 LIST "LEEDS"	b. SHIFT d. RESTORE 15. A special key stops execution. You may type
8. The statement that will print the value of the variable A a. 10 LIST A b. 10 LIST "A" c. 10 PRINT A d. 10 PRINT "A"	CONT and press RETURN if you wish to continue a. SHIFT c. Space b. CTRL d. RUN/STOP
9. The last statement of most programs (optional in Commodore 64) that ends program execution is a. 99 HALT c. 99 HOME b. 99 STOP d. 99 END	16. Write a program to print your name, address, and telephone number on separate lines. Also, put a space between your name, address, and telephone number when printed.

More Programming Tools

1. List the order of mathematical operations. That is, if you have addition, subtraction, multiplication, and division, which comes first?		
2. List the math symbols used with VIC. Multiply Add Divide Subtract Exponentiate (raise to a power)		
 If there are parentheses, the computer starts its mathematical operation at Outermost parentheses c. Leftmost parentheses Innermost parentheses d. None of these 		
 4. Make sure that every left parenthesis has a matching parenthesis. a. Inner		
 5. Use parentheses around operations you want to perform a. Last b. Second c. First d. Third 		
 6. A mathematical operation usually starts from the a. Right and goes left b. Left and goes right d. Middle and goes left 		
7. Mark T or F next to the variables that can be used with VIC BASIC. A AA 4L H 1A P4 Q1 B1 LL FZ		
8, A packs items close together on the same line (comma, semicolon) but a leaves spaces (comma, semicolon).		
9. There are PRINT zones. 10. A (comma, semicolon) causes the computer to PRINT an item at the next PRINT zone.		
11. Write a program to find the area of a rectangle if length is 50 inches and width is 6 inches. a. Have the computer PRINT the "LENGTH ISINCHES"		
b. Have the computer PRINT the "WIDTH IS INCHES" c. Have the computer PRINT the "AREA IS SQ. INCHES"		

REVIEW QUIZ #1

1. To correct a typing mistake before you press the	8. List the math symbols used with VIC.
RETURN key, you can use the following key to erase	Multiply Add
the letter(s), word(s), or line	DivideSubtract
a. CRSR b. CRSR c. INST/DEL d. CLR/HOME	9. Express the following in scientific notation (i.e., as it would appear on Commodore 64) a. 5,000,000,000 = b. 0.000005 =
2. One simple way to delete a program line that you	c. 120,000,000,000 =
do not want is to first type the line number and then	d. 0.000000000000 =
press the following key	10. To clear memory of any program that may be
a. RUN/STOP c. RETURN b. SHIFT d. CLR/HOME	stored there, the command to use is a. STOP b. ERASE c. NEW d. RUN
To alcoure as assessed a program line often you	
a. To change or correct a program line after you have pressed RETURN, you must do the following	
(assume you cannot use cursor control keys).	1
a. Erase the line using the RESTORE key.	
	^
b. Retype the line.c. Back space the line.	*
d. RUN/STOP the line.	
d. [HUN/STOP] the line.	2 -> 3 -> 4
4. To output your answers or results on the display,	
the following key word must be used in your program	Above is a BOX DIAGRAM of a computer. Place the
a. Input b. LET c. Output d. PRINT	correct number beside the words the boxes represent. Memory Unit Processor Unit
5. When using a REM statement, sometimes you see	Output Unit Input Unit
the statement written as follows	guipar our
5 REM *** AREA OF RECTANGLE PROGRAM ***	
What are the *** used for in the statement?	12. Write a program to PRINT on separate lines
a. Multiplication c. Subtraction	a. Your name
b. Division d. Decoration	b. Your address
	c. Your telephone number
6. The statement 10 PRINT A will	
a. Print the letter A.	
b. Print the value of A.	13. Write a program to find the area of a rectangle if
c. Print both the letter and its value.	length is 10 inches and width is 25 inches.
d. None of the above.	 a. Have the computer PRINT the "LENGTH IS INCHES"
List the order of mathematical operations. That is,	b. Have the computer PRINT the "WIDTH IS
if you have addition, subtraction, multiplication, and	INCHES"
division, which comes first, second, and so on.	c. Have the computer PRINT the "AREA IS

Relational Operators and IF-THEN/GOTO Statements

1.	Fill in the following tac	ne v	
	Meaning		Symbol
	Equal		
	Greater Than		-
	Less Than		-
	Is Not Equal To		
e.	Less Than or Equal To		
f.	Greater Than or Equal	To	
2	Given: A = 5, B = 10, C	· _	30
			sume the next program
	e is line(20):	las	isame the next program
,,,,,,	3 13 IIII C (2 D) .		Condition Branch to
	Statement		is (T OR F)* (Line #1)*
a.	10 IF A = B THEN 40		
b.	10 IF A <> B THEN 50		
C.	10 IF A > B THEN 60		
d.	10 IF A < B THEN 70		
e.	10 IF C <= (A + B) THEN	80	
f.	10 IF C >= (A + B) THEN		
q.	10 IF B > A THEN 100		
_	10 IF B/A > C/A THEN 11	0	
i.	10 IF A'B <= A'C THEN	120	
j.	10 IF C/A = A'B THEN 13	0	
			omputer will execute the
	ext line in the program,		
	The IF-THEN statemen	nt is	s known as a/an
	inching statement.		
	Unconditional		Indirect
b.	Conditional	d.	Direct
4.	If the conditions cannot	be	met in an IF-THEN state-
	nt, the program will		
	Stop	c	Branch to another part
	Ciop	•	of the program
b	Continue to next line	d	GOTO beginning of
٠.	Continue to Heat mile	۵.	the program
5.	The GOTO statement	IS K	nown as a/an
	inching statement.		
	Unconditional		Direct
b.	Conditional	d.	Indirect
6.	If you have a program to	nat	continues to run because
			statement, what should
	u do to stop the program		ctatement, mat chedia
			Dress DIMI/OTOD Land
	Type STOP		Press RUN/STOP key
b.	Press RETURN key	d.	Press SHIFT key
7.	When you want to out	put	t something to the video
	play, the key word in a		
a.	OUTPUT		PRINT
	GOTO		ENTER
8.			t to 10 by 1's using the
-	THEN statement	1000	

The INPUT Statement

When you use an INPUT statement in your program, it causes the computer to stop and wait for input from the Display	b. Which variable can be used for Line 30? c. Which variable can be used for Line 40? d. Which variable can be used for Line 50? D. D\$
2. When you use a trailing semicolon in a PRINT statement (that is, the semicolon is at the end of the line), it causes the computer to a. Leave a space between two PRINT lines.	5. If A\$ is used as a variable, it is called a
 b. Hook two PRINT lines together. c. Leave a space for a number. d. Add a PRINT Line. 3. When you use an INPUT statement and RUN your program, what happens when the computer stops and waits for you to enter a number and you do not enter anything? a. The computer waits 10 seconds and continues. b. The program will just stay at the line until you take some action. 	7. To insert a space between string variables, you must use a. Commas b. Semicolons c. Quotation Marks b. Semicolons d. Colons 8. In the following table, mark True (T) or False (F) if the correct variable is used. a. 10 INPUT "YOUR NAME IS"; A\$ b. 20 INPUT "YOUR HOUSE NUMBER IS"; A c. 30 INPUT "YOUR STREET NAME IS"; B
c. An alarm will sound. d. An error will appear.	 d. 40 INPUT "YOUR ZIP CODE IS"; B\$ e. 50 INPUT "YOUR SCHOOL'S NAME IS"; C\$ 9. To change or correct a program line after you
4. Study the following program lines and then answer the question. 20 INPUT "YOUR NAME";? 30 INPUT "YOUR AGE";? 40 INPUT "YOUR TELEPHONE NO.";? 50 INPUT "YOUR SCHOOL'S NAME";? a. Which variable can be used for Line 20? A. AS	have pressed RETURN, you must do the following (assume you do not have cursor control). a. Erase the line using the RUN/STOP key. b. Retype the line. c. Back space the line. d. RESTORE the line. 10. The key word to output on the display is
	The same way ward to damper on the display is

REVIEW QUIZ #2

1. To correct a typing mistake before you press the RETURN key, you can use the following key to erase the letter(s), word(s), or line a. CRSR b. CRSR c. INST/DEL d. RESTORE 2. One simple way to delete a program line that you do not want is to first type the line number and then press the following key a. RUN/STOP c. RETURN b. SHIFT d. CLR/HOME	 9. The statement: 10 PRINT "A" will a. Print the letter A. b. Print the value of A. c. Print both the letter and its value. d. None of the above. 10. You are running or executing a program and your output is too large for all of it to fit on the screen. The display continues to "roll" until it reaches the end. You can slow down the display by pressing the following key a. SHIFT c. RUN/STOP b. RESTORE d. CTRL
 3. To change or correct a program line after you have pressed RETURN, you must do the following (assume you cannot use cursor control keys). a. Erase the line using the RESTORE key. b. Retype the line. c. Back space the line. d. RUN/STOP the line. 	11. Examine the following program 10 LET K = 0 20 K = K+1 30 PRINT K; K12 40 IF K < 10 THEN 20 a. The program is called a program. b. Line 10 in the program sets the counter (K) to
 4. To output your answers or results on the display, the following key word must be used in your program a. Input c. Output b. LET d. PRINT 5. In a computer program, the following statement is used 10 INPUT "YOUR AGE";? What variable can be used for your age? a. A\$ b. B\$ c. 2A d. A 6. In a computer program, the following statement is 	 c. Line 20 increments the counter (K). That means it 1 to the counter each time step 20 is executed. d. This program will loop how many times? e. Which line determines how high this program will count? f. Line 30 is the (INPUT, OUTPUT) statement and it will cause the screen to display the following: (Show what the output of this program will look like.)
used 20 INPUT "YOUR NAME";? Which variable can be used for your name? a. A b. B c. A\$ d. A1 7. When using a REM statement, sometimes you see the statement written as follows	
What are the "used for in the statement? a. Multiplication c. Subtraction c. Division d. Decoration 8. When you use the INPUT statement in a program, the computer will stop when it gets to that line and wait for a. An input from the tape recorder. b. A shift command.	12. Write a program that will PRINT the four times table from 1 to 5. That is, your output should look like the following 4'1 = 4 4'2 = 8 4'3 = 12 4'4 = 16
c. An input from the keyboard.d. An input from the disk.	4*5 = 20 (Hint: Use the counting program.)

Using the FOR-NEXT...STEP Statements

٦.	Study the following program 10 FOR J = 10 TO 1 STEP-2
	20 PRINT J:
	30 NEXT J
	The output of this program is
b.	The semicolon in Line 20 causes the output to be
	printed on the (same, next) line.
C.	If in Line 10 we change the STEP-2 to STEP-3, the
	output would then be
	f in Line 10 we change the STEP-2 to STEP-4, the
	output would be
	FOR-NEXT is called a (conditional, unconditional) statement.
	and the second s
2.	If the step in a FOR-NEXT statement has a negative
valu	ue, the counter is decremented, which means it is
_	
3.	If the step in a FOR-NEXT statement has a positive
valu	ue, the counter is incremented, which means it is
	·
4.	If the key word STEP is not used with a FOR-NEXT
stat	ement, the counter is automatically increased by
	each time.
_	Sometimes the FOR-NEXT loop is called a
	part, dumb) loop; whereas a GOTO loop is called a
(311	(smart, dumb) loop.
6.	FOR and are always used as a pair.
7.	Write a program using FOR-NEXT-STEP that will
	int to 100 by 10's.
A	Write another program using IF-THEN that will
	ant to 100 by 10's.

Reading Data

10 DATA 121, 671, 531, 651, 791 20 READ A, B, C, D, E 30 Print A; B; C; D; E	separated by a. Colons b. Periods c. Commas d. Semicolons
Output is	 The following is true about placement of DAT, statements in a program
 Study this program and predict the output. 10 DATA 500, 400, 300, 200, 100 20 FOR N=1 TO 5 30 READ A 40 PRINT A 50 NEXT N 	 a. They may appear anywhere in the program. b. They must be the first statement in the program. c. They must follow READ statements. d They must be the last statement in the program. 9. The READ statements work together to
Output is	_, input data into the computer.
a distance of the state of the	a. GOTO c. INPUT b. IF-THEN d. DATA
3. Study this program and predict the output. 10 READ X 20 RESTORE 30 READ Y	 10. Data Lines are always read from a. Right to left b. Left to right c. Middle to left d. Middle to right
40 RESTORE 50 PRINT X, Y 60 DATA 50, 60	11. If string values (words, letters, names) in DATA statements include colons, commas, or blanks, you
Output is	must
 Study this program and predict the output. 10 DATA "JONES,A.B.", LEEDS, "METZ, BILL", COMPUTER 	a. Enclose these values in quotes.b. Enclose these values in parentheses.c. Enclose values in commas.d. Enclose values in semicolons.
20 DATA JORDAN,ALICE, TEACHER 30 READ A\$, B\$, C\$, D\$, E\$ 40 PRINT A\$, B\$, C\$, D\$, E\$	12. Data items are read sequentially starting witha. Last item in last DATA statement.b. First item in first DATA statement.
Output is	 c. First item in first READ statement. d. Last item in last READ statement.
 5. If there are more data elements than READ variable a. Computer stops. b. OD Error indicated. c. Some data elements are not read. d. None of the above. 	a The first time a READ is executed a The first value in the first DATA statement is read. b. The last value in the first DATA statement is read. c. The last value in the last DATA statement is read. d. None of the above.
If there are more READ variables than there a data elements	re 14. The RESTORE statement is used a. When data is to be read more than once in the same
a. Out of data error indicated.b. Some data elements are not read.c. BS error indicated.	b When data is to be printed more than once.c When data is to be erased.
d. None of the above.	d. None of the above.

Video Display Graphics

the Commodore 64 display has character positions. a. 3,000 c. 1,000 b. 5,000 d. 2,000	7. For TAB (N) and SPC (N), N can have a numerical value which ranges from to a. 1 to 1000 c. 0 to 255 b. 1 to 255 d. 0 to 1000
2. The Commodore 64 display has rows and columns. 3. Each character position is a a. 6 × 6 dot matrix c. 8 × 8 dot matrix b. 12 × 12 dot matrix d. 64 × 64 dot matrix 4. To use the right side graphics, you must also hold down the key. a. RETURN c. SHIFT b. CTRL d. 5. If you wanted to print your name ten spaces from the left side of the display, you would use: a. 10 PRINT (10) "NAME" c. 10 PRINT TAB (10) "NAME" b. 10 PRINT NAME; (10) d. 10 PRINT (10) TAB; "NAME"	8. Using your Graphics Character Reference Charts or the Commodore 64 keyboard, write beside the graphic symbol the key you would press to display the symbol (assume SHIFT or key is already pressed, as shown). a. Top-left corner b. Bottom-right corner c. Horizontal line (top segment) d. Horizontal line (bottom segment) e. Vertical line (leftmost segment) f. Vertical line (rightmost segment) g. Thin bar (top) h. Thick bar (bottom) i. "X" j. Cross
6. If you wanted to start printing your name five spaces from the left side of the display and also insert ten spaces between your first name and last name, you would use: a. 10 PRINT (5) "FIRST NAME", (10) "LAST NAME" b. 10 PRINT TAB (5) "FIRST NAME" TAB (10) "LAST NAME" c. 10 PRINT TAB (5) "FIRST NAME" SPC (10) "LAST NAME" d. 10 PRINT TAB (10) "FIRST NAME" TAB (5) "LAST NAME"	9. Although one line on the display is only 40 characters long, the Commodore 64 can handle up to characters using the "wrap around" feature. a. 255 b. 88 c. 100 b. 80 d. 200 10. Using Commodore 64 graphics might appear to be complicated at first but the key to understanding how to use Commodore 64 graphics better is a. Practice c. Practice b. Practice d. Practice

Arrays

1. In array A(W) with the values 25, 30, 45, 55, 65 A(3) equals: a. 30 c. 65 d. None of these b. 45 Another name for a two-dimensional array is c. Matrix a. DIM statement b. Array-2 d. Element 3. In a two-dimensional array, H(2,3) refers to c. Column 2, column 3 a. Row 3, column 2 d. Row 2, row 3 b. Row 2, column 3 A(7) is read c. "7-SUB-A" a. "A7" b. "A-SUB-7" d. "A-PARENTHESES-7" 5. The DIM statement lets you set the depth or number of elements per dimension in an array. If no DIM statement is used, the maximum number of elements allowed is c. 9 a. 5 d. 10 b. 11 6. 10 DIM B(2,3) sets a two-dimensional array B to allow elements with sub a. 0,0 to 2,3 c. 0,0 to 2,2 d. 0,0 to 3,3 b. 2,2 to 3,3 7. 10 DIM C(21) means a one-dimensional array can have sub elements that go from c. 1 to 21 a. Ø to 21 d. 1 to 20 b. Ø to 20 For questions 8 through 10, refer to the following matrix 2 3 5 6 H 25 68 85 13 125 55 1 80 2 115 95 26 100 79 19 75 65 185 21 22 This matrix has _ rows and _ columns a. 3,6 c. 6,6 b. 6,3 d. 3,3 The content of H(2,3) is a. 75 c. 65 d. 95 b. 26 10. If a DIM statement was used for the matrix, it would read

c. 10 DIM H(6,6)

d. 10 DIM H(3,3)

a. 10 DIM H(3,6)

b. 10 DIM H(6,3)

INT(X), ABS(X), and RND(X) FUNCTIONS

1.	INT(X) or integer function allows you to r	ound off	
any number, large or small, positive or negative, into a			
whole number or integer. Find INT(X) for the following			
	X	INT(X)	
a.			
-	-1.5		
C.	2.15		
d.	5 0		
e. f.	3.456	-	
g.	70.45		
h.	-10.35		
ů.	7.95		
j.	-7.85		
2.	Find the absolute value of the following		
		ABS(X)	
a.	12		
b.	0		
C.	-12		
d. e.	-357 3.5555	-	
f.	-3.5555		
g.	-1.175		
h.	-0.125		
i.	1.01		
1	0.5789		
3. RND(X) or random number function causes the			
-	mputer to give you a surprise number		
a.	If N = INT (10* RND (1) + 1), then N can number between and	i be any	
b.	If N = INT (100' RND (1) + 1), then N ca	n be any	
-	number between and	in use arry	
C.	number between and IF N = INT (6 * RND (1) + 1) then N can	be any	
	number between $\underline{\hspace{1cm}}$ and $\underline{\hspace{1cm}}$. If N = INT (4 * RND (1) ± 1) then N car	. ho one	
	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	be any	
4.	Random numbers are very useful for c	omputer	
ga	mes because a random number is	omputer	
	Logical c. Uniformed		
b.	Unpredictable d. Ordered		
5.	Write a simple program to generate a	random	
nu	imber between 1 and 10, and then let the u	ser try to	
	less the number. More specifically, your	program	
-	ould do the following at a minimum.		
a.	Cause the computer to generate a random between 1 and 10.	number	
b.	AND ADDRESS OF SERVICE STORY	evboard.	
C	Compare the random number with a gu		
	if the guess equals the random numbe		
	"Right On."		
d.	If guess does not match the random number	er, PHINT	
	"You missed it! Try again!"		

Subroutines

1. When a RETURN is reached in a subroutine, it	30 INPUT"1=AVERAGE, 2=SUM":K
passes control back to which line in the main program?	40 IF K < 1 OR K > 2 THEN 30
a. The line before the GOSUB	50 ON K GOSUB 1000,2000
 The last line in the program 	60 END
c. The line following the GOSUB	1000 T=N1+N2+N3
d. The first line in the program	1010 A=T/3
0 14" : 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1020 PRINT"THE AVERAGE OF THE THREE
2. Which statement is used to call a subroutine?	NUMBERS";N1;N2;N3;"IS";A
a. GOTO 3000 c. GOSUB 3000	1030 RETURN
b. RETURN 3000 d. IF-THEN 3000	2000 S=N1+N2+N3
3. Study the following program line.	2010 PRINT"THE SUM OF THE THREE
me arming and recommendation of the contraction of	NUMBERS";N1;N2;N3; "IS" ;S
If A has a value of 4, which subroutine would be executed?	2020 RETURN
	6. If one of the numbers input in Line 20 is 0, the next
10 ON A GOSUB 1000, 2000, 3000, 4000, a. 2000 c. 3000	line executed is
	THE SHOP SHOP IN
b. 4000 d. 1000	a. 30 c. 20 b. 50 d. 60
4. To keep the main program from "crashing into"	0. 50
subroutines or executing subroutines an extra time,	What is the next line executed if K = 3 in Line 40?
we use a/an statement.	a. 20 c. 30
a. GOTO c. END	b. 1000 d. 60
b. RETURN d. GOSUB	9 Line 1000 passes control to Line
B. METONIN B. GOODS	8. Line 1030 passes control to Line
5. ON-GOSUB works like ON-GOTO except control	a. 2000 c. 60 b. 10 d. 1000
branches to a(n) specified by line numbers	b. 10 d. 1000
in the line number list.	Line 2020 passes control to Line
a. Main program c. GOTO statement	a. 1000 c. 60
b. Subroutine d. IF-THEN statement	b. 30 d. 10
U. OUDIOURIU	10 M/hat line mustaste the action time from the main
For Questions 6 through 10, study the following pro-	10. What line protects the subroutine from the main
gram and then answer the questions	program?
10 REM ON-GOSUB DEMO	a. 1000 c. 60
20 INPUT "ENTER THREE NUMBERS": N1,N2,N3	b. 2000 d. 10