1. Write a sequence of instructions for SIC to set ALPHA equal to the integer portion of BETA ÷ GAMMA. Assume ALPHA and BETA are defined as below.

ALPHA	RESW	1	
BETA	WORD	32	
GAMMA	WORD	5	

2. Write a sequence of instructions for SIC to find largest out of three numbers and store it at location labelled as MAX. Assume numbers are given in the program as follows:

NUM1	WORD	5
NUM2	WORD	17
NUM3	WORD	8
MAX	RESW	1

3. Following (portion of) the SIC program copies one 11-byte character string to another

	LDX	ZERO
MOVCH	LDCH	STR1, X
	STCH	STR2, X
	TIX	ELEVEN
	JLT	MOVCH
	:	
STR1	BYTE	C'TEST STRING'
STR2	RESB	11
ZERO	WORD	0
ELEVEN	WORD	11

- (a) Complete the program.
- (b) How many bytes will be needed to store the object program of the completed program?
- (c) How many times memory will be accessed to fetch and execute these instructions?