

Assignment 1

1)

LDA	BETA
MUL	GAMMA
STA	ALPHA

2)

LDA	BETA
DIV	GAMMA
SAT	ALPHA

3)

	LDA	ZERO
	STA	INDEX
LOOP	LDX	INDEX
	LDA	ZERO
	STA	ALPHA, X
	LDA	INDEX
	ADD	THREE
	STA	INDEX
	COMP	K300

	JLT	LOOP
INDEX	RESW	1
ALPHA	RESW	100
ZERO	WORD	0
K300	WORD	100
THREE	WORD	3

4)

	JSUB	WRITE
WRITE	LDX	ZERO
WLOOP	TD	OUTDEV
	JEQ	WLOOP
	LDCH	RECORD, X
	WD	OUTDEV
	TIX	K100
	JLT	WLOOP
	RSUB	
OUTDEV	BYTE	X'05'
RECORD	RESB	100
ZERO	WORD	0
K100	WORD	100

5)

	JSUB	WRITE
WRITE	LDX	ZERO
WLOOP	TD	OUTDEV
	JEQ	WLOOP
	LDA	N
	WD	OUTDEV
	ADD	ONE
	STA	N
	TIX	K10
	JLT	WLOOP
	RSUB	
OUTDEV	BYTE	X'05'
ZERO	WORD	0
K10	WORD	10
ONE	WORD	1
N	WORD	1