Cycle	**0**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**
Read PC	100	101	102	103	104	105	106	107	108	109
Write IR	LOAD	LOAD	LOAD	BLE	SQR	DIV	NO-OP	DIV	MUL	NO-OP
Write RA					R1	R1	R1		R4	R4
Write RB		R8	R8	R8	R7		R3		R2	R5
Write AR			[R8]+numX	[R8]+num1	[R8]+num2					
Write DR							R1*R1	R1/R3		R4/R2
Write CR				[R1]=x	[R2]=2	[R3]=3		[R4]=x^2	[R5]=$\frac{x}{3}$	
Write MEM										
Write PC	101	102	103	104	105	106	107	108	109	110

Cycle	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**
Read PC	110	111	112	113	114	115	116	117	118	119
Write IR	SQR	SUB	SUB	ADD	STORE					
Write RA		R3	R1	R5	R5-R6	R1+R5				
Write RB			R3	(R6)	(R1)					
Write AR							[R8]+numY			
Write DR	R4*R5		R3*R3	R1-R3	R5-R6	R1+R5				
Write CR	[R3]=$\frac{x^2}{2}$	[R5]=$\frac{x^3}{3}$		[R6]=$\frac{x^4}{4}$	[R1]=$x-\frac{x^2}{2}$	[R5]=$\frac{x^3}{3}-\frac{x^4}{4}$	[R1]=$x-\frac{x^2}{2}+\frac{x^3}{3}-\frac{x^4}{4}$			
Write MEM								[R8+numY]=[R1]		
Write PC	111	112	113	114	115					