CSCI113-Lab 3	
1) (PU Time = Instruction (and x (PI)	M1: Club Rt > 900MHz, Swillin, Prog 1 = 705
	17 W
Pragram 1: M1: 20 - (COUXID) (LPI)	M2: 15= (460×106)(GI) 800×106
Program 1: M1: 20 - (600x166) (LPI) 900x106	810×106
1.8×1010 = (Soux 106) (CP]	1.2x1010 = (400×106) ((PI)
CPI=36	CPI = 304
02004	The state of the s
D 2.	11 (1 2 Q Q 1 1 1 1 5 Q) V 1 5 Q) V 1 5 Q
2) Program 2;	M1: Clock R1-2 900MHz, SUUX106, Rog 2 = 85 M2: Clock R1-2 SUUNHz, GUUX106, Rog 2 = 105
MI; 8 = (STOXIOF) (CPI)	
9002106	M2: 10 = (400x/06) (CPI) SUOX/06
720000000 = (500×106) (CPI)	800000000 = (400x106)((PI)
CPI=14.4 £	CPI=204
3) MIPS = Clork Rale MI = SUDMH2 CPI × 106 M2 = 9WMH2	
	I_B=2
	$\frac{1}{2 \times 10^6} = 400 \qquad \frac{1}{3 \times 10^6} = 266.67 \qquad \frac{500 \times 10^6}{4 \times 10^6} = 200$
The peak performance for M every second.	Il would be CPIA as it performs 800 million institutions
42: CPI-A=3 CPI-B Ly "100x 106" = 200 Ly "1	CPI_0=2 CPI_0=4 CPI_0=2 CPI_0=2 CPI_0=2 CPI_0=2 CPI_0=2 CPI_0=2 CPI_0=2 CPI_0=2 CPI_0=2
The peak performance of M 450 million instructions per	12 would be CPI_B and CPI_D as they both perform second.

$$S_{0}$$
, $MI = \frac{\left((1 \times 10^{6} \times 1) + (1 \times 10^{6} \times 7) + (1 \times 10^{6} \times 3) + (1 \times 10^{6} \times 4)\right)}{S_{0} \times 10^{6}}$

$$0.01375_{x} = 10000000 + 2000000 + 3000000 + 40000000$$

$$x = \frac{10000000}{0.01375} = 727.27 MHz$$

$$= \frac{(1.5)(37.5 \times 10^{9})}{(0.067 \times 2.5)} = 3.358 \times 10^{10} \text{ GHz}_{\#}$$