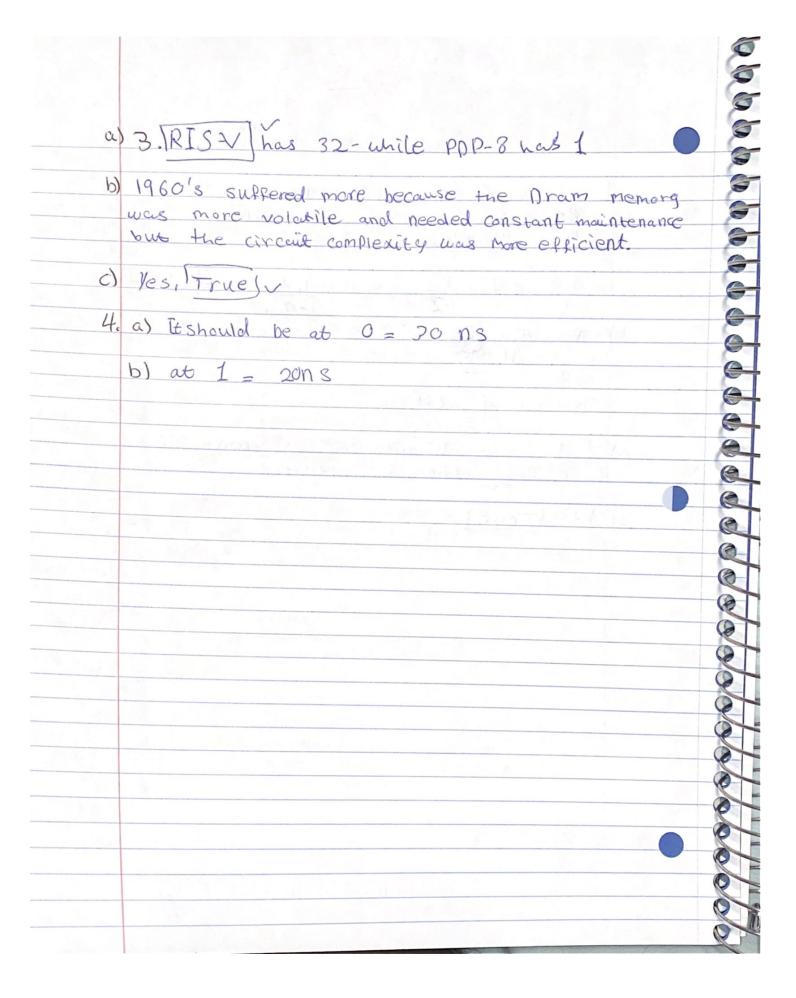
*	Midterm 1
	Mohamad Salaam 42 197 5 60
70	1. 60% = 0.6x, speedup = 1,2
70	$\frac{(1)}{1,2} = \frac{\chi}{0.6x} + 0.4x = \frac{0.6}{0.6x} + 0.4$
	$= \frac{6.6}{h} + 0.4 = \frac{1}{1.2} = \Rightarrow n = 1.381$
To the same of the	b) speed up = 60%=0,6, so 0,4 before
	So total = (2.24)
	a) 2. Because all arithmetic operations get their from addressable registers
	c) Yes (True)v
2	



-	
The same of the sa	
10	
10	
18	5. a) Avg = 6, load 1 store = 6.3
	Fraction = $1-0.3=$ >0.7
	0.7 -0.2
1	Fraction= G. 3
7	P1 40610.12 01 3
76	I a such anything a month of the fold of
	h) 20T - C -40 0 11
	b) CPIA = 6-040 = 2.4
<u></u>	CPIB = 0.7 Who seemed to be still to the
-	
($=\frac{2.4}{0.4}, \frac{6}{2.4} = 2.5$
-	
C)	CPTA) is faster
1	
7(-)	
-	
-	
-0-	
0	
-	
0	
No.	
-	
~	
-	
~	
100	
-	
0	
~	
0	
0	
0	

Graverage = 1, 24 , 1, 2 = 100 = 1210 = with no stalls it would be 1210 = (conditional branches) (remaining) 0 6 7. No [False], because hardware does not 0 support all kinds of hazards, some are 0 done via software only, 8. Prob = 1 + 1 => 1 + 1 = 24r + 24r 0 0 $=\frac{1}{2}+\frac{1}{2}=\frac{1}{2}$ year 0 0 0 0 a 0