	date No.
1. 64 MB physical memory, 32 bits logical address spo	ale
page size 4KB, entry 1 bytes	
(a) $2^{3^2}/4kB = 2^{3^2}/2^{1^2} = 2^{10}$	
(b) 256 entries = $2^8$ entries $\frac{P}{20}$ $\frac{d}{12}$	
20-8=12	
28x 4 bytes = 1KB (first level)	
212x 4 bytes = 16 KB (second level)	KB+16KB=17KB #
(c) 28 x 4 bytes = 11 2 bytes #	
(d) 64MB = 64 × 21° KB	
$64 \times 2^{10} / 4 = 16 \times 2^{10}$	
6×210 × 4 = 64×210 bytes = 64KB #	
= 2. (a) $(100-86)+(117-86)+(177-91)+(150-91)+$	(150-102)
= 14+31+26+ 59+48 = 178 #	
(b) $(100-102) + (102-91) + (91-86) + (117-86) + ($	(50-117)
= 2+ 11+5+31+33 = 82 #	
(c) $(100-91)+(91-86)+(86-0)+(102-0)+(119-0)$	-102)+(150-102)
= 100+150=250 #	
(d) (00+(199-102)+(199-0)	
= 100+97+199=396*	
(e) (100-86)+(150-86) = 14+64 = 28 #	
	·
<u>,</u>	
	GEE-JUMP

	date No.
3. (a) 4 (b) 2 (c) 1 (d) 3 (e) 5	
4. OC42 = 0000 1100 0100 0010	
$ KB = 2^{10} \text{ bytes} \qquad 0000 1 = 3 \Rightarrow 0 10  0 1   0 1   + 0000  0 0  0 0  0 10  0 1  00 $	(a) index number = 3 # (b) linear address
256 bytes = 28 bytes 0110 1011 1001	= 0 10  0   100  #
$01 0=6\Rightarrow 7=011 $	(c) index number = 6
	(d) physical address = DIII IOII IOOI #
	. Post, Company