MTH 231 QUIZ 5

1) 18 mater prajis, 325 comp scimaj

a) how many ways to pick 1 m + 1cs L> 18.325 = 5850]

b) one rep that is Either major (18+325) = [343]

3) mult Charletest, 10 q, dans per

a) how many ways to complete test = 40 = ...

6) if shident can leave qu'à blank for each question, 5 possible outromes - 510

5) NY -- 6 -- DEN -- 7 -- SF0 = 6.7 = 42

7) 3-Letter-mihals 263

29) hunse Plates (AA#### | ##AAAA)

 $L_3 \left(26^2 \cdot 10^4 \right) = 52.45^{-7}.600$ + $\left(26^4 \cdot 10^2 \right)$

338 Alphabet = {A. Z3 att & - digitif signings

bres not or 26:/ 71/26/25...191

49) Bit Strings of length 10 begin or end with 20's with 30's

060 --- = 128 = 384

Overlag: 000...00 = 32

384 - 32 = [352]

47) how many ways can a photographer arrange 6 people if

a) bride must be next to groom

- Bride and groom occupy 2 spaces, foncy 5 different spots to put them

16 B G ... ≠ G B

2 two different bodys to arrange the bride and groom

<u>B</u> <u>6</u> <u>4</u> <u>3</u> <u>2</u> <u>1</u> = 24

24.5.2 = 240

6) 20 different ways to have groom not next to blide... 20.24 = 480

6) bride to left of groom
24.15 = [360]

49)