

	2
	4) (3) (2)
	1 (3)(2)
	chase boys choose girls
	C. M. W. C. A. S.
	(5) $(5)$ $(7)$ $(5)$ $(7)$ $(5)$ $(7)$ $(9)$
	177
	Hot ways to form committee with
	Hot ways to term committee with
	1 B, 3 6 2B, 26 3B, 16 4B
	6) a b
	1 3
	2 4
	3 las Total courts
	4 2 06 1+1+2+2+2+2+1+1
	5 3 ~ 7 = 12
	6 4 or 8
	7 5
	2 6
	7) (N)
	(3)
	choose 3 paints to get a triangle
	The transfer of the state of th
0	
	14" 282 32

	8)(a) (3) = chose postion of the O's
	$ (b) \begin{pmatrix} 8 \\ 0 \end{pmatrix} + \begin{pmatrix} \epsilon \\ 1 \end{pmatrix} + \begin{pmatrix} \epsilon \\ 2 \end{pmatrix} + \begin{pmatrix} \epsilon \\ 3 \end{pmatrix} $
	(4) 08
	(c) 28 2 since either 0 or 2 in the 8 positions
	\ /\6\
	$9)$ $\binom{10}{3}$ $\binom{3}{3}$
	7 1
	chase 3 leader
0	from 10
	10) We are choosing from \$1,3,5,73 50
	$(\frac{4}{1}) + (\frac{4}{2}) + (\frac{4}{3}) + (\frac{4}{4}) = 2^{\frac{4}{1}} - 1 = 15$
	(111(2)1(3)1(4) 2 113
	LI CILLIA
	11)(0) There are 4 choics for where b send 1 to in B
	" 4 " 3 ,
	4
34.00	=> 44 total functions
	7 total tendras
	(b) 4! since 4 chains for 1, then 3 for 2, then 2 for 3.
0	111 211 3
	(c) $\frac{4!}{4!} = \frac{24}{256} = \frac{3}{32} \approx 0.09375$
	7
3. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	