Probability Problems		0
	1100 1100	
1. Students A, B, C, P(A answers st Q) = 15 P(A -11st Q, B -2 2 d Q) = (1) 8		
Ways to choose 8 from 15 stildents (order matters) =	P(15,8)	
Ans= $\left(\frac{1}{15}\right)^8 P(15,8) = .1012 = 10.12\%$		1/8
2. Even integers, 18th 2 digits-odd, all digits unique -		
(5)(4)(8)(7)(6) = # of integers that satisfy within	a la se de la la se	
P(integer meets criteria)= 5.4.8.76 = .0672		10-
enothy 1 11 1 - (172) 5/1 2/2) 3 -	= 1112 × 10-6=	
	1.112×10-9/0	
3. $P(A) = \begin{pmatrix} 3 \\ 2 \end{pmatrix} \begin{pmatrix} 3 \\ 6 \end{pmatrix} + \begin{pmatrix} 3 \\ 3 \end{pmatrix} \begin{pmatrix} 3 \\ 6 \end{pmatrix} = \frac{11}{2!} = \frac{1}{6}$	0.3 /	
(2) (2) (3) (3)	W. I. I.	
$P(B) = \left(\frac{1}{6}\right)^3 \cdot 6 = \frac{1}{6^2} = \frac{1}{36}$		
62 36		
auck of P(A). P(B) = P(A N B)		
P(A): P(B)= 1/2		
$f(A \cap B) = \left(\frac{1}{6}\right)^3 \cdot 3 = \frac{1}{72}$		
		7
Since p(A): P(B) = P(A \(\Omega\), A&B are independent	ent	

5. Don't know