STAT 2011 Q1 Six chips 1,2.3,4,5.6 A: " second largest chip is 3" A={(1,j,k): 1=25/4 = 6, j=34 A={(1,3,4),(1,3,5)(1,5,6),(2,3,4)(2,3,5)(2,3,6)4 Q3: (9,9), (9, not Tor9), 94 (a) ACABAC Q4 AC=R/[oi] ≥(-∞, °) V(1, ∞) A OB = (1.3] ACNBNC = (1.2)  $M = A^{C} UB^{C}$ (a)  $(AAB)^{C} = A^{C} UB^{C}$ if SEM=(ANB)C S& ANB S&A or S&B SEAC or SEBC SEACUBC  $\mathcal{N} \subset \mathcal{N}$ SEN=ACUBC SEAC Or BC

1. IPCK) = 0.92 IPCK) + 0.2 x (1- IPCK) = 0.92 X 20 = 14

QIV  

$$P(A) = \frac{1}{4}$$
  $P(B) = \frac{1}{8}$   
 $P(A \cup B) = P(A) + P(B)$   
 $= \frac{1}{4} + \frac{1}{8} = \frac{3}{8}$   
(ii)  $P(A \cup B) = P(A) + P(B) - P(A \cap B)$   $P(A \cap B) = P(A) \cdot P(B)$   
 $= \frac{1}{32}$   
QIS  
 $P(A) = \frac{2}{6} = \frac{1}{3}$   
 $P(A) = \frac{1}{32}$   
QIS  
 $P(A) = \frac{1}{32}$   
 $P(A) = \frac{1}{36}$   
 $P(A) = \frac{1}{36}$