



5) p(AUB) = p(A)+p(B)-p(AOB) P(A) -> boy P(B) -> From manscula (XA) = \$10 = 0 1 3  $p(a) = \frac{15}{30} = \frac{1}{2}$  $P(AB) = \frac{5}{30} = \frac{1}{4}$  $\rho(AUB) = \frac{1}{3} + \frac{1}{2} - \frac{1}{6} = \frac{2}{3} \#$  $p(A^c) = \frac{3}{8}$   $p(B) = \frac{1}{2}$   $p(A^c) = \frac{5}{8}$   $p(A^c) = \frac{5}{8}$   $p(A^c) = \frac{1}{2}$   $p(A^c) = \frac{1}{2}$ 6) p(A)=3/8 p(B)=1/2 p(A) B)=1/2 p(AUB) = p(A)+p(B)-p(A/B) = 318 + 1/2/-1/2000 000- (8)00 =3/8 P(ACUBC)=P(AMB)=112

