(5222 Test # 1 Jeremiah Webb (AUB) 1 C A= {+, v, z} B= { u, v, x, z} AUB = { +, N, U, x, 23 V= { *, x, x, w, x, >, 23 (AUB) = {W, >} (AUB) NC = { Y } A={+, V, Z} BAC = { U, V } BAC = { E, W, K, Y, Z } AUBRC = { +, v,v, w, x, >, = } 3, Need bb for bhe eyes 1 = 25% chance

6 sides rolled twice 4. 10 people 1 temper, a students 5, & non 81. 9 40320 6. F= £6,123 Subsets €63, € 123 31.21 = 3360 Wass

16. 2 plates 50 che dos chip 50 . 1 = ,3125 80 11. A = { 6 11, 16 ... } B. A = {x | x, n EN x = 5n+1, n > 0 } T = / + 1 = 6 $6n = 6n + 1, n \in N, n > 0.$ 12. 131134 total people
60940 Female .963 = 58655 6094013. 58655 fimile opplyed 131/34 total

19. MullA .5.350,000 + .5 (-2000) (Profit = 155000 Mills 20. 190000 x.75 + .25 (-3000) Profit = 135000) Mull & his hisher protit 21. MallA 10 problems Must answer 7 18. 1007 7:3! 5 People 120 ways $=\frac{6}{120}=(.05)$ B.