Will May M9 HW 1.) a. > NUMBER 11.51 × 11.41 × 11.31 × 31. 11.21 × 11.01 = 61. 6×5×4×2×1. 6.) DISCRETE 81. T. X. 1181× 1181× 1181× 1131× 214× 1101= 81 (20,160) C.) Subsets 71. = T. HT. 3t. 2t. 11. 21. (840) 3) a) 4 521. 25T. 25t. 131.26. 131.12t. 131.01. 131.131.131. 6.) 4 - remail 52! 451. × 381. 34. 241. 521. 6) 20 4 201. Hot. 121. 81 41. 12 944 4 41.01 41.41.41.41 9.2 2.7 a. (5+6-1)=(5) c. (70)=(5)b.) (12+6-1)=(5) d.) (70)=(17)4.) a.) $\binom{25+4-1}{4-1} = \binom{28}{3}$ c.) $\binom{28}{3} - \binom{18}{3}$ $(4-1)^{-1}$ 5.) a.) (50+8-1)=(57) c.) (57)-(37) 9.3 1.) a.) $\binom{47+8-1}{8-1} = \binom{55}{7}$ 9.3 1.) a.) $\binom{60+3-1}{25-1} = \binom{62}{2}$ c.) $\binom{60!}{25!35!} \times \frac{25!}{20!45!} \times \frac{15!0!}{15!0!} = \frac{60!}{25!20!15!0!}$ 5.) a.) (10+25-1) = (34)