## Exercises Rosen p. 417 Permutations and Combinations

c, b, a

$$9 (9,5) = 9! = 15,120$$

3! -6

(b) 
$$\binom{10}{0} + \binom{10}{1} + \binom{10}{2} + \binom{10}{3} + \binom{16}{3} = 386$$

(c) 
$$2^{10} - (b) + (10) = 848$$