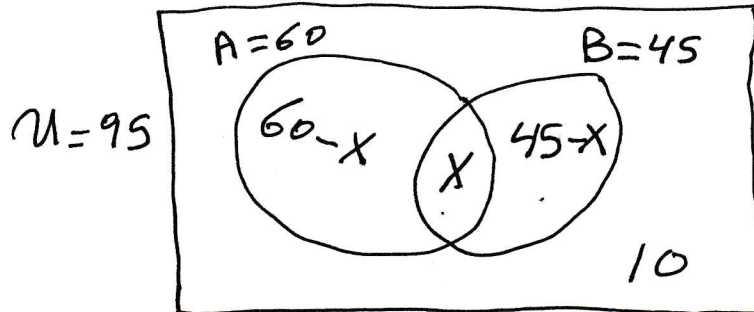


Sec 2.3, # 23

$$U = 95, \quad A = 60, \quad B = 45, \quad A' \cap B' = 10$$
$$A \cap B = ? = x$$

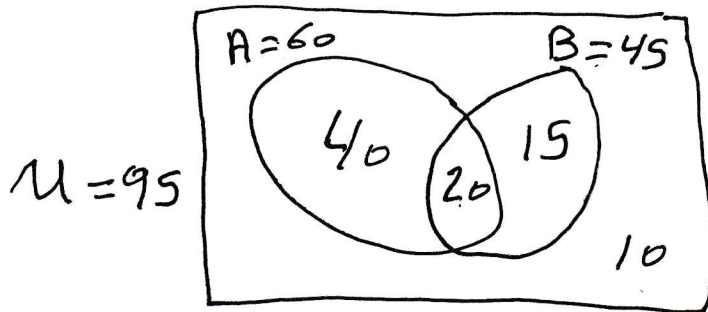


$$(60-x) + x + (45-x) + 10 = 95$$

$$115 - x = 95$$

$$115 - 95 = x$$

$$20 = x$$



$$n(A \cup B) = 15 + 10 + 40$$
$$= 75$$

$$n(A \cup B)' = 10$$

$$n(A' \cap B') = 10$$

$$n(A - B) = 40$$

$$n(A \cap B') = 40$$

$$n(B \cap A') = 15$$

$$n(B - A) = 15$$