

التمارين ص 873

إذا كان :

$$U = \{11, 12, 13, 14, 15, 16, 17, 18, 19, 20\}$$

$$A = \{14, 15, 16, 17\}$$

$$B = \{11, 13, 15, 17, 19\}$$

$$C = \{12, 14, 15, 19, 20\}$$

فأوجد ما يلي

$$51. A \cup C$$

$$= \{15, 17\}$$

$$52. A \cap B$$

$$= \{12, 14, 15, 16, 17, 19, 20\}$$

$$53. A'$$

$$= \{12, 14, 15, 17, 19, 20\}$$

$$54. (A \cap B) \cup C$$

$$= \{11, 12, 13, 18, 19, 20\}$$

$$55. A' \cap (B \cup C)$$

$$= \{15\}$$

$$56. (A \cap B) \cap C$$

$$= \{11, 12, 13, 19, 20\}$$

$$57. (A \cup B)' \cap C$$

$$= \{14, 16\}$$

$$58. A \cap B'$$

$$= \{12, 20\}$$

$$59. (B \cup C) \cap A'$$

$$= \{11, 12, 13, 19, 20\}$$

$$60. (A' \cup B)' \cup C'$$

$$= \{11, 13, 14, 16, 17, 18\}$$

إذا كان :

$$U=\{p,q,r,s,t,u,v,w\}$$

$$A=\{p,q,r,s,t\}$$

$$B=\{r,s,t,u,v\}$$

$$C=\{p,r,t,v\}$$

فأوجد ما يلي

$$75) C-B=$$

$$76) A-C$$

$$77) B-C$$