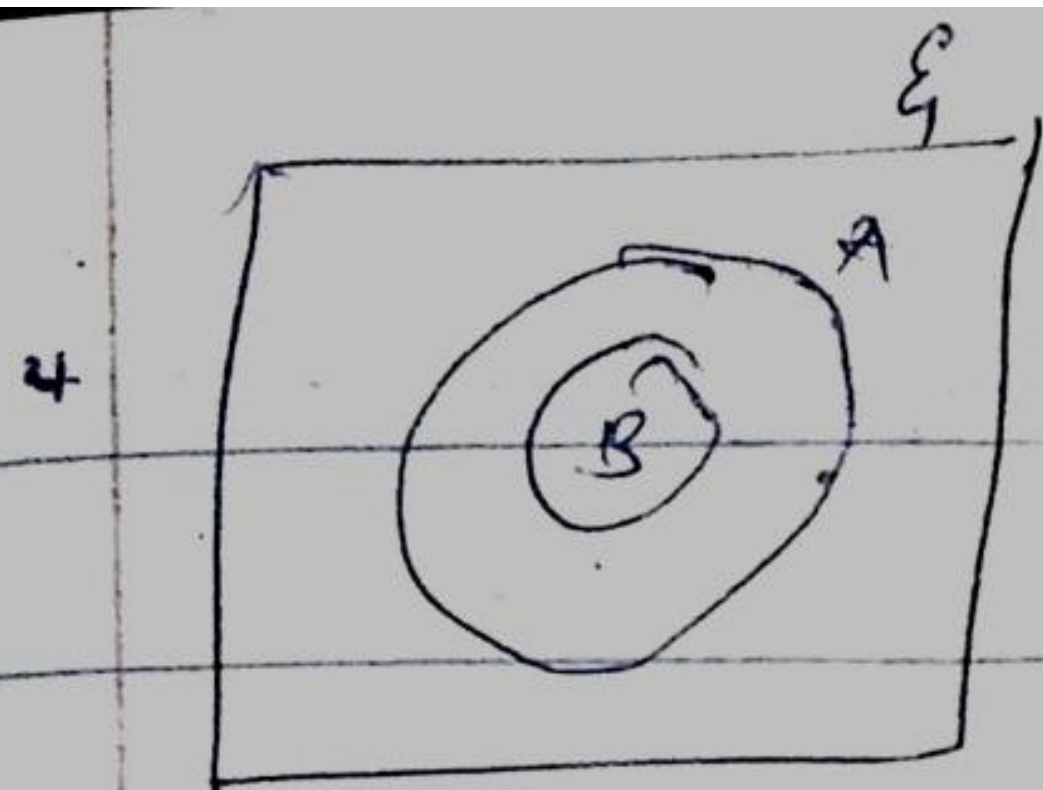




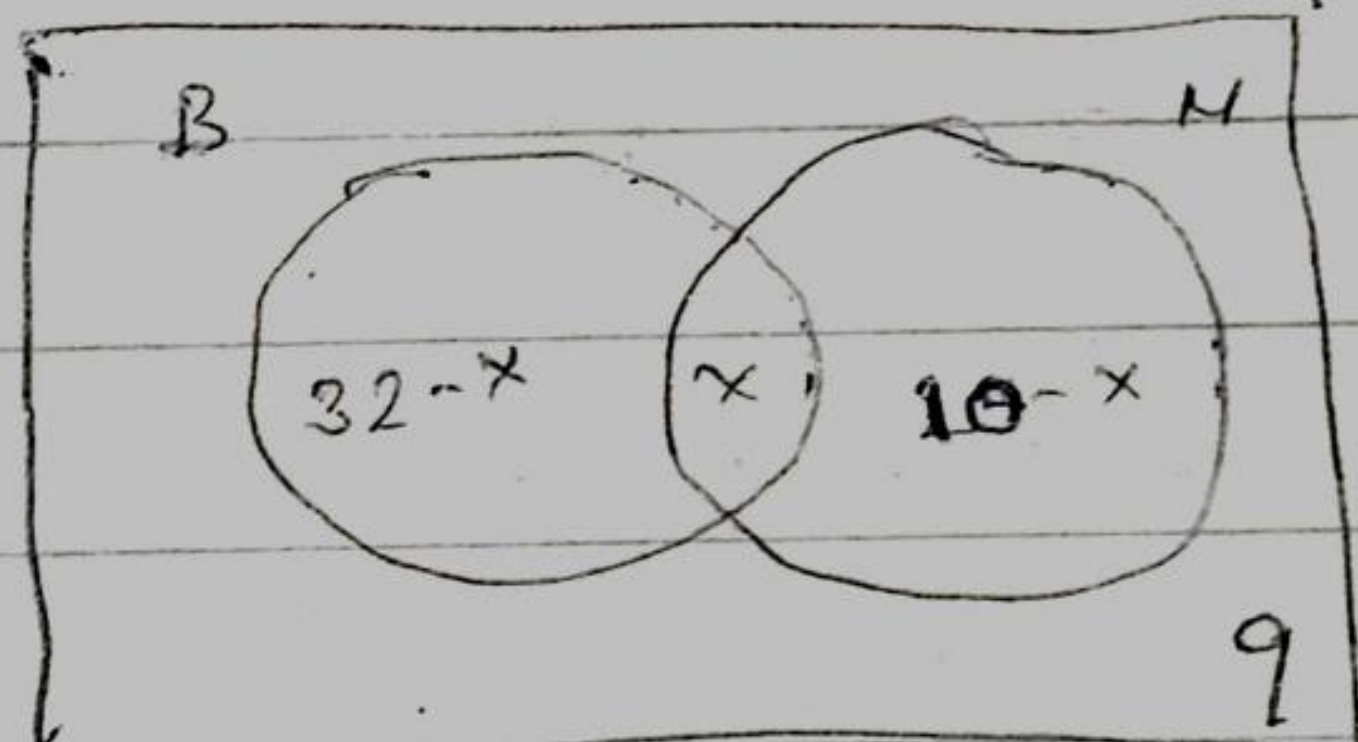
$B \subset A$

Elements in A that are not in B

Examples

① A survey carried out on 40 teachers showed that 32 of them have B.sc degree, while 10 of them has MCE, 9 of them had no certificate. How many have both B.sc & MCE?

$B = \text{B.sc}$ & $M = \text{MCE}$ $E = 40$



$$(32 - x) + (10 - x) + x + 9 = 40$$

$$51 - x = 40 \quad \therefore x = 11$$

② A news agent sells 3 news papers, the Nation, the Punch and the Herald. 50 customers buy the Nation, 40 the Punch and 30 the Herald. If 16 bought both the Nation and the Punch, 14 buys the Punch