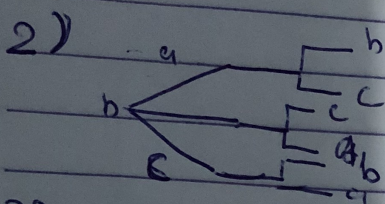


SUBJECT: _____

DATE: _____

1) $12C_4 \times 8C_4 = 34250$



3) $12C_2 = 66$ $P(R) = \frac{28}{66} = \frac{14}{33}$

4) $15C_3 = 450$, $20C_3 = 120$

$2 \cdot 5C_1 \times 60C_2 = 4250$ $\frac{250}{455} = 0,2747$

$1 - 0,2747 = 0$

5) $\frac{20}{30} + \frac{5}{30} = \frac{1}{2}$

6) $P(A) = \frac{3}{8}$, $P(B) = \frac{1}{2}$, $P(A \cap B) = \frac{1}{2}$

$P(A^c) = 1 - \frac{3}{8} = \frac{5}{8}$ $P(B^c) = 1 - \frac{1}{2} = \frac{1}{2}$

$P(A^c \cup B^c) = \frac{5}{8} + \frac{1}{2} - \frac{3}{8} = \frac{1}{2}$

$P(A \cap B^c) = \frac{3}{8} + \frac{1}{2} - \frac{3}{8} = \frac{1}{2}$

$P(B \cap A^c) = \frac{1}{2} + \frac{5}{8} - \frac{1}{2} = \frac{5}{8}$

7) 0

8) $\sum P(x) = K \cdot 2 - 8$
 $K \cdot 2 = 8 - 1$
 $K \cdot 2 = 7$
 $K = 3$

9) $1 - (A \cup B) = 1 - 0,2$
 $0,2$