LINEAR MODELS AND DECISIONS 31 AUG 76

$A = \{x \mid x \text{ IS PRIME}\}$ $B = \{x \mid x \text{ IS EVEN}\}$ $C = \{1, 2, 3, 5, 8, 13\}$ $D = \{x \mid x < 20\}$

FIND:

1) $A \cap B$
2) $C \cup D$
3) $C - B$
4) $(A \cap C) \times C$

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5) $A - (A - B) = A \cap B$ T OR F
6) $A \cap (B \cup C) = (A \cap B) \cup (A \cap C)$ T OR F
7) $\{\phi\} = \phi$ T OR F

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8) HOW MANY ELEMENTS IN $2^{[(A-B) \cap C]}$
9) THINK OF TWO EQUIVALENCE RELATIONS AND CHECK THEM AGAINST THE DEFINITION
10) THINK OF TWO PARTIAL ORDERINGS AND CHECK THEM AGAINST THE DEFINITION