1. Ali velja

   (a) $(A + B) \setminus A = B \setminus A$

   (b) $(A + B) + (A + C) = A + (B + C)$

   (c) $(A \setminus B) + (C \setminus B) = (A + C) \setminus B$

   (d) $A + B \subseteq A + (B + C)$

   (e) $(A \cap B) \setminus C \subseteq (A \cup C) \cap B$

   (f) $(B \setminus C) \cup (A \cap C) \setminus B \subseteq (A \cup B) \cap (C \cup B)$

2. Ali velja
   $$(A + C) \setminus (A + B) = (A \cap B) + C?$$
   Kaj pa vsebovanost
   $$(A + C) \setminus (A + B) \subseteq (A \cap B) + C?$$
   Ali velja enakost pod pogojem $C \subseteq A \cap B$?

3. Pokaži, da množice $B \cap C$, $(B + C) \cap A$ in $(A + C) \setminus B$ predstavljajo razbitje za množico $A \cup C$.

4. Naj bo $A = \{1, 2\}$, $B = \{2, 3\}$ in $C = \{a, b\}$, $D = \{a, b, c\}$. Izračunaj množice

   (a) $((A \cup B) \times C) \setminus ((A \cap B) \times D)$

   (b) $(A \times C) \setminus (C \times B)$

5. Ali velja

   (a) $(A + B) \times C = (A \times C) + (B \times C)$

   (b) $(A + B) \times (C + D) = (A \times C) + (B \times D)$

   (c) $(A \setminus B) \times (C \setminus D) = (A \times C) \setminus (B \times D)$

   (d) $(A \setminus B) \times (C \setminus D) \subseteq (A \times C) \setminus (B \times D)$