

ДЗ

$$A = \{1, 2, 3, 4, 5\}$$

$$B = \{2, 4, 6, 8\}$$

$$C = \{4, 3, 2, 1\}$$

ЗАГАЙУОВА К.ТО
К3220

$$1) A \setminus (B \cup C) = (A \setminus B) \cap (A \setminus C)$$

$$A \setminus (B \cup C) = 5 \quad (A \setminus B) \cap (A \setminus C) = \{5\}$$

$$2) A \setminus (B \cap C) = (A \setminus B) \cup (A \setminus C) = \{1, 3, 4, 5\}$$

$$3) A \setminus (A \setminus B) = A \cap B = \{2, 4\}$$

$$4) A \setminus B = A \setminus (A \cap B) = \{1, 3, 5\}$$

$$5) A \cap (B \setminus C) = (A \cap B) \setminus (A \cap C) = \{4\}$$

$$6) (A \cap B) \setminus (A \cap C) = (A \cap B) \setminus C = \{4\}$$

$$7) A \cap (B \setminus C) = (A \cap B) \setminus C = \{4\}$$

$$8) (A \setminus B) \setminus C = (A \setminus C) \setminus (B \setminus C) = \{5\}$$

$$9) A \cup B = A \cup (B \setminus A) = \{1, 2, 3, 4, 5, 6, 8\}$$

$$10) (A \cap B) \cup (A \cap \bar{B}) = A = \{1, 2, 3, 4, 5\}$$

$$11) (A \cup B) \cap (A \cup \bar{B}) = A = \{1, 2, 3, 4, 5\}$$

$$12) (\bar{A} \cup B) \cap A = A \cap B = \{2, 4\}$$

$$13) (A \cup B) \setminus C = (A \setminus C) \cup (B \setminus C) = \{4, 5, 6, 8\}$$

$$14) A \setminus (B \cap C) = (A \setminus B) \cup (A \setminus C) = \{1, 2, 3, 5\}$$