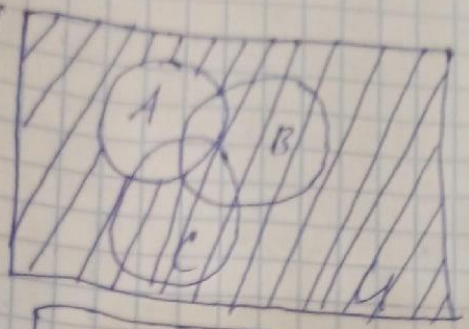
Задача 1.7

Описать на, соответствующие заштрихованной части диаграммы Венна.

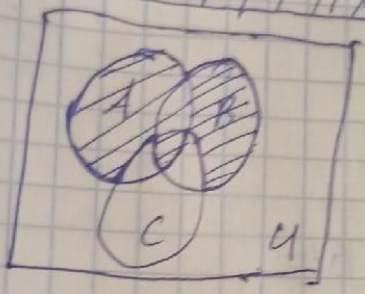
1.7.1

а)



$\bar{A}$

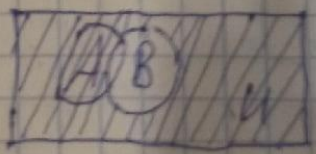
б)



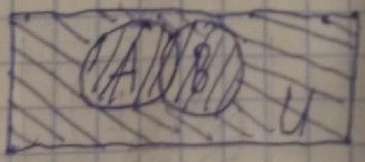
$(A \cup B - C) \cup (A \cap B \cap C)$

Домашняя работа.
Множества и операции.
Задание 2.
Задача 1.6.
Часть 2.

а) B'



б) $(A \cup B)'$



$A \cup B$ ///
$(A \cup B)'$ \\\

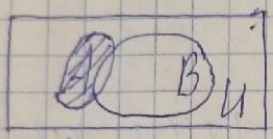
б) $A - A \cap B$

1) $A \cap B$ ///
2) $A - A \cap B$ \\\\

г) $A \triangle B$

Часть 3

а) $A \cdot B$



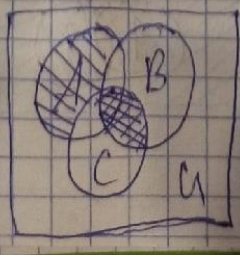
б) $(A \cap B)'$

1) $A \cap B$ ≡
2) $(A \cap B)'$ |||

в) $(A \cup B) - A \cap B$

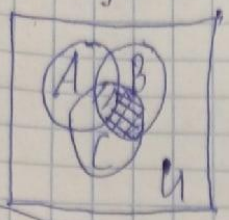
1) $A \cup B$ \\\
2) $A \cap B$ |||

2) $A \cup (B \cap C)$



1) $B \cap C$ ///
2) $A \cup (B \cap C)$ \\\\

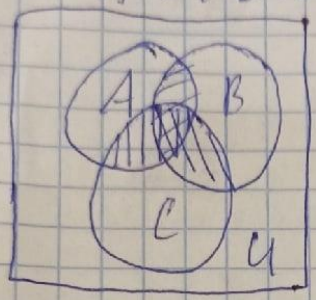
д) $(B \cap C) - A$



1) $B \cap C$ ////

2) $(B \cap C) - A$ ////

е) $(A \cap B) \cup (B \cap C) \cup (A \cap C)$



1) $A \cap B$ ///

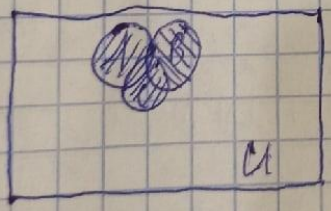
2) $B \cap C$ ///

3) $A \cap C$ ///

$(A \cap B) \cup (B \cap C) \cup (A \cap C)$

часть ч (е)

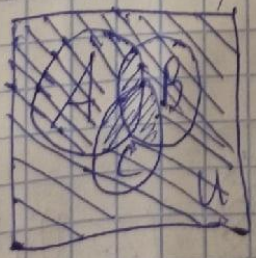
е) $B - (A \cup C)$



$A \cup C$ ///

$B - (A \cup C)$ ////

ж) $(A \cap B \cap C)'$

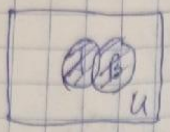


$A \cap B \cap C$ ///

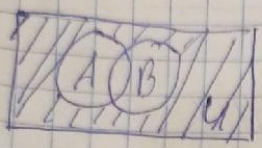
$(A \cap B \cap C)'$ ////

Часть 4.

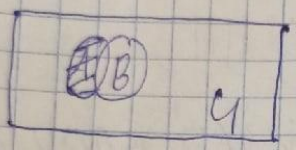
а) $A \circ B$



б) $(A \cup B)'$



в) $A - A \cap B$



г) $(A \cap B) \triangle C$

$A \cap B$ //

$(A \cap B) \triangle C$ \\\

д) $(A \cup B \cup C) - (A \cap B \cap C)$

е) См. назад

ж) $(A - B) \cup (B - C)$

$A - B$ ///

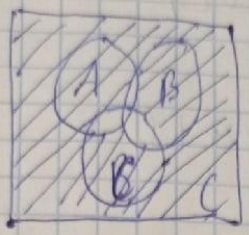
$B - C$ \\\

$(A - B) \cup (B - C)$ **

Задача 1.7

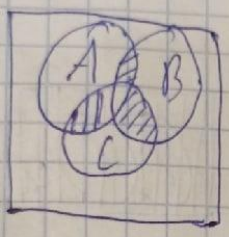
Часть 1

в)



$(A \cap B \cap C)'$

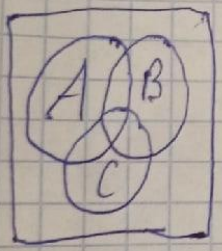
2)



$(A \cap B - C) \cup (B \cap C - A) \cup (A \cap C - B)$

Часть 2

а)



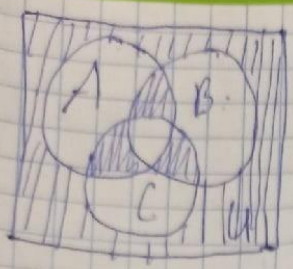
U'

б)

$(A \cup B) - (C - A \cap B)$

в)

$(A - B \cup C) \cup (B - A \cup C) \cup (A \cap B \cap C)$

2) 

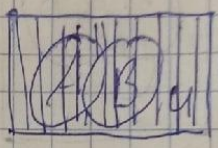
$(A \cap B - C) \cup (B \cap C - A) \cup (A \cap C - B) \cup$
$\cup (U - A \cup B \cup C)$

Zagara 1.8.

$(A \cap B')' = A' \cup B'$

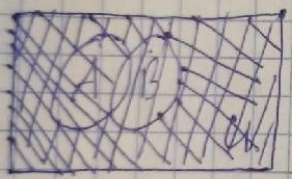
I) $(A \cap B)'$

I) $A \cap B$ ////
2) $(A \cap B)'$ \\\\

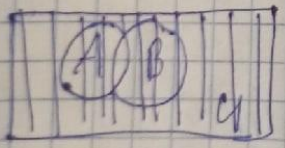


$(A \cap B)'$ \\\

2) $A' \cup B'$



1) A' \\\
2) B' \\\\



$A' \cup B'$ ////

3) 

$(A \cap B)' = A' \cup B'$

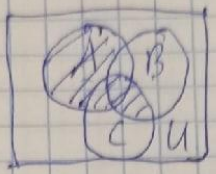
Zagara 1.9

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

1) 

1) $B \cap C$ ///

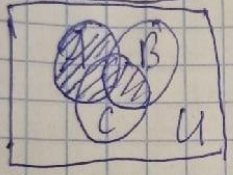
2) $A \cup (B \cap C)$ \\\



2) 

1) $(A \cup B)$ ///

2) $(A \cup C)$ \\\



3) $(A \cup B) \cap (A \cup C)$ ///

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

3) 

=


Задача 1.10.

Наследник множества A называется $A \cup \{A\}$

а) $\emptyset$ $\emptyset = \emptyset \cup \{\emptyset\}$

б) $\{\emptyset\} = ?$

в) $\{\emptyset, \{\emptyset\}\} = \{\emptyset, \{\emptyset\}, \{\emptyset, \{\emptyset\}\}\}$