



ชื่อ-นามสกุล .....

เลขประจำตัว

No.3

แบบฝึกหัดเรื่อง Set

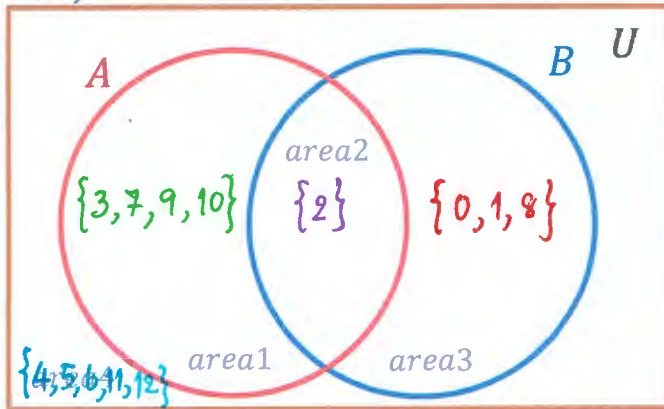
1. กำหนดให้

$$U = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12\}$$

$$A = \{2, 3, 7, 9, 10\}$$

$$B = \{0, 1, 2, 8\}$$

1.1) จงเขียนสมาชิกของแต่ละเซต ลงในแผนภาพเซต



1.2) จงหา

$$n(A \cap B) = 1$$

$$n(A - B) = 4$$

$$n(B - A) = 3$$

$$n(A \cup B) = 8$$

$$n((A \cup B)') = 5$$

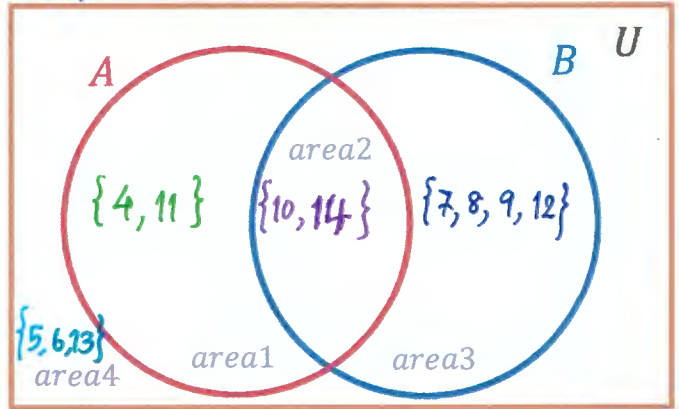
2. กำหนดให้

$$U = \{4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14\}$$

$$A = \{4, 10, 11, 14\}$$

$$B = \{7, 8, 9, 10, 12, 14\}$$

2.1) จงเขียนสมาชิกของแต่ละเซต ลงในแผนภาพเซต



2.2) จงหา

$$n(A \cap B) = 2$$

$$n(A - B) = 2$$

$$n(B - A) = 4$$

$$n(A \cup B) = 8$$

$$n((A \cup B)') = 3$$

3. กำหนดให้

$$U = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18\}$$

$$A = \{4, 7, 8, 10, 12, 17\}$$

$$B = \{2, 3, 7, 8\}$$

$$C = \{2, 4, 6, 9, 11, 12, 14\}$$

3.1) จงเขียนสมาชิกของแต่ละเซต ลงในแผนภาพเซต

3.2) จงหา

$$n(A \cap B \cap C) = 0$$

$$n(A \cup B \cup C) = 12$$

$$n(A \cap B) = 2$$

$$n(B \cap C) = 1$$

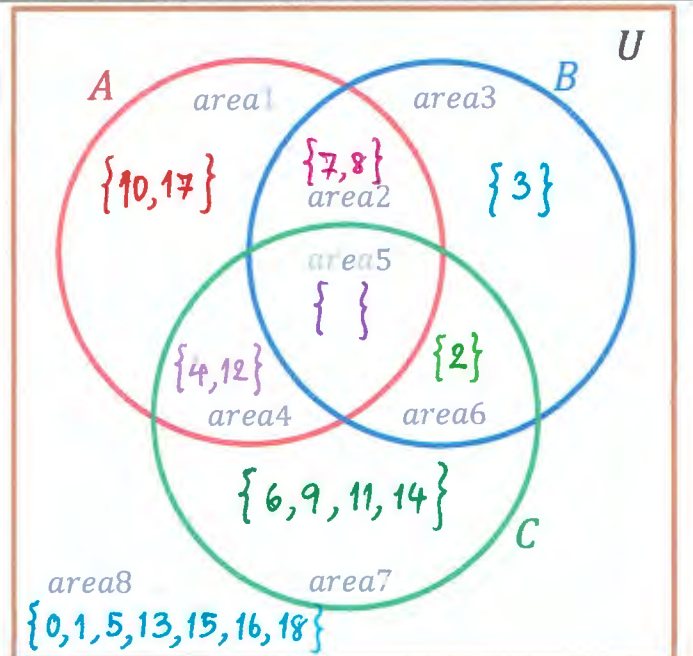
$$n(A \cup C) = 11$$

$$n(B \cup C) = 10$$

$$n(A - B) = 4$$

$$n(B - A) = 2$$

$$n((A \cup B) \cap C) = 3$$



$$n((A \cap B) \cup C) = 9$$

$$n((A \cap B \cap C)') = 19$$

4. กำหนดให้  $U = \{4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18\}$ ,

$A = \{5, 6, 9, 11, 12, 15, 16\}$ ,  $B = \{4, 13, 14, 16, 17\}$  จงหาเซตในแต่ละข้อต่อไปนี้

4.1)  $A \cup B = \{4, 5, 6, 9, 11, 12, 13, 14, 15, 16, 17\}$

4.2)  $A \cap B = \{16\}$

4.3)  $A \cup B' = \{5, 6, 7, 8, 9, 10, 11, 12, 15, 16, 18\}$

4.4)  $A' \cap B = \{4, 13, 14, 17\}$

4.5)  $A - B = \{5, 6, 9, 11, 12, 15\}$

4.6)  $B' - A = \{7, 8, 10, 18\}$

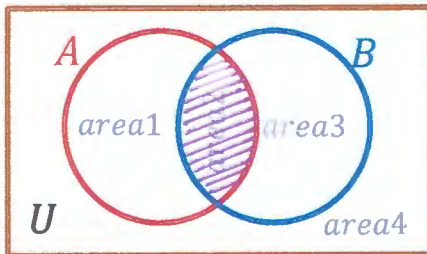
4.7)  $(A \cup B)' = \{7, 8, 10, 18\}$

4.8)  $A' \cap B' = \{7, 8, 10, 18\}$

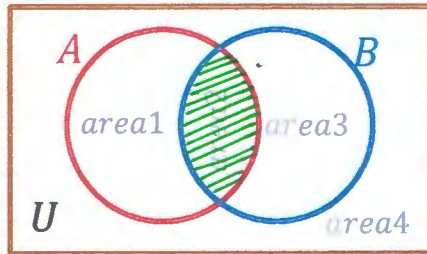
4.9)  $(A - B)' = \{4, 7, 8, 10, 13, 14, 16, 17, 18\}$

5. จงแรเงาแผนภาพเซต

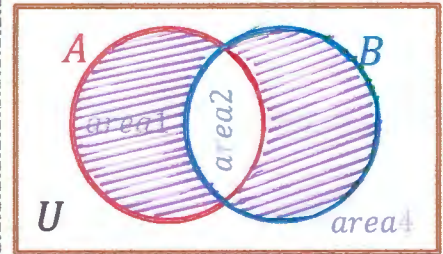
5.1)  $A \cap B$



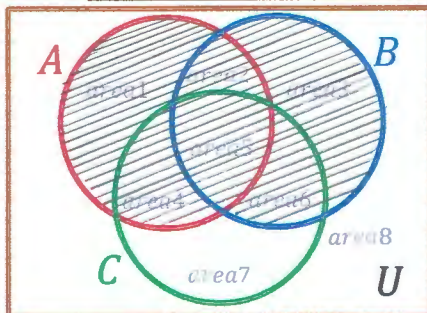
5.2)  $A - B'$



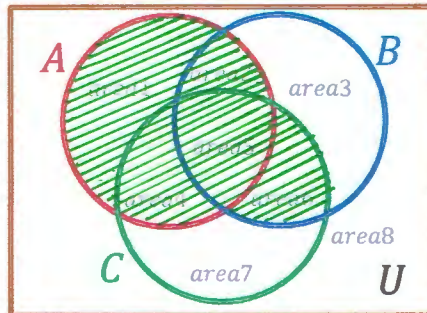
5.3)  $(A - B) \cup (B - A)$



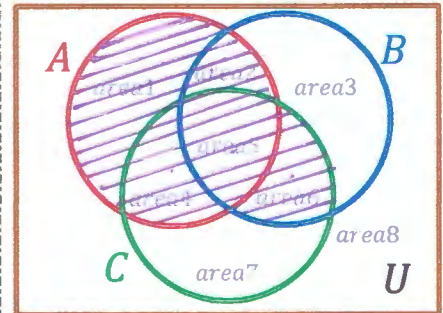
5.4)  $A \cup B$



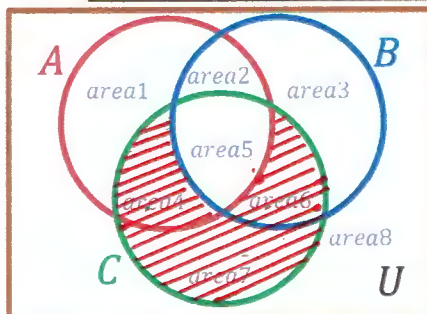
5.5)  $A \cup (B \cap C)$



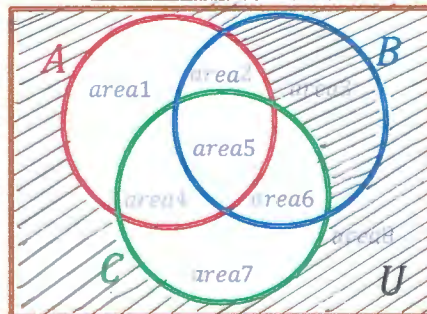
5.6)  $(A \cup B) \cap (A \cup C)$



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



5.8)  $A' \cap C'$



5.9)  $(B - A)' - C'$

