



ชื่อ-นามสกุล

เลขประจำตัว No. 2

แบบฝึกหัดเรื่อง Set

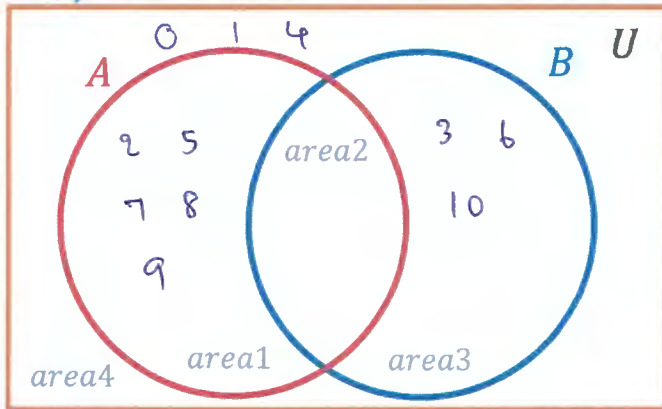
1. กำหนดให้

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

$$A = \{2, 5, 7, 8, 9\}$$

$$B = \{3, 6, 10\}$$

1.1) จงเขียนสมาชิกของแต่ละเซต ลงในแผนภาพเซต ↗



1.2) จงหา

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

$$n(A - B) = 5$$

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

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

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

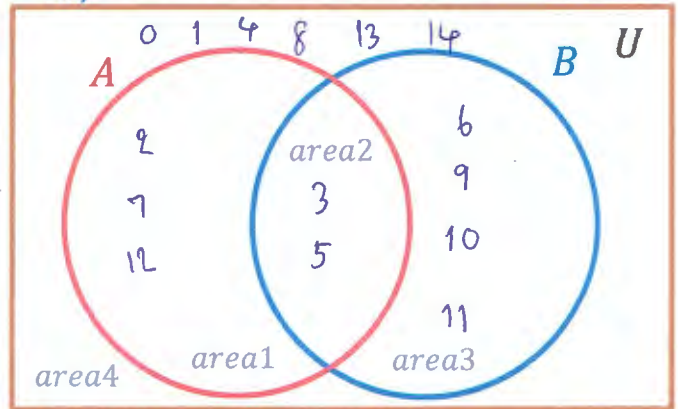
2. กำหนดให้

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

$$A = \{2, 3, 5, 7, 12\}$$

$$B = \{3, 5, 6, 9, 10, 11\}$$

2.1) จงเขียนสมาชิกของแต่ละเซต ลงในแผนภาพเซต ↗



2.2) จงหา

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

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

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

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

$$n((A \cup B)') = 6$$

3. กำหนดให้

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

$$A = \{3, 7, 8, 13, 15, 16\}$$

$$B = \{2, 4, 7, 9, 15\}$$

$$C = \{12, 13, 14\}$$

3.1) จงเขียนสมาชิกของแต่ละเซต ลงในแผนภาพเซต ↗

3.2) จงหา

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

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

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

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

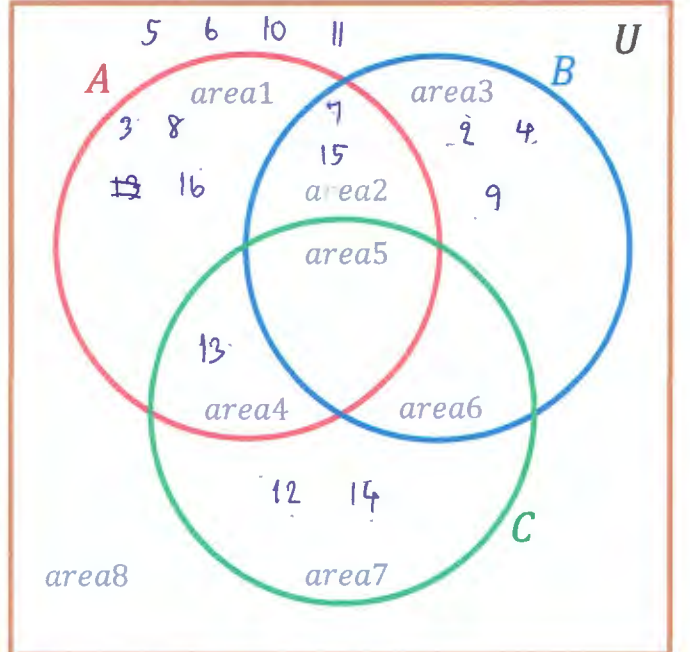
$$n(A \cup C) = 9$$

$$n(B \cup C) = 7$$

$$n(A - B) = 5$$

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

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



$$n((A \cap B) \cup C) = 5$$

$$n((A \cap B \cap C)') = 16$$

4. กำหนดให้ $U = \{2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14\}$,

$A = \{5, 8, 11\}$, $B = \{3, 8, 10, 13\}$ จงหาเซตในแต่ละข้อต่อไปนี้

4.1) $A \cup B = \{3, 5, 8, 10, 11, 13\}$

4.2) $A \cap B = \{8\}$

4.3) $A \cup B' = \{2, 4, 5, 6, 7, 8, 9, 11, 12, 14\}$

4.4) $A' \cap B = \{3, 10, 13\}$

4.5) $A - B = \{5, 11\}$

4.6) $B' - A = \{2, 4, 6, 7, 9, 12, 14\}$

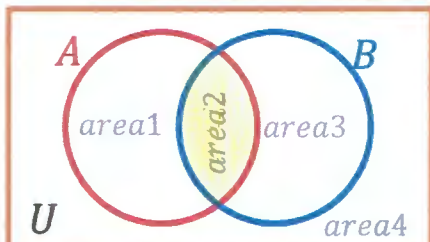
4.7) $(A \cup B)' = \{2, 4, 6, 7, 9, 12, 14\}$

4.8) $A' \cap B' = \{2, 4, 6, 7, 9, 12, 14\}$

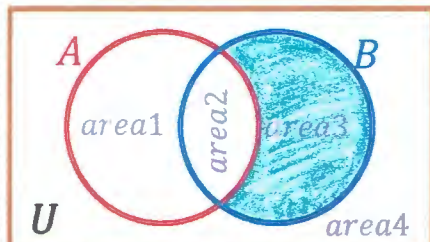
4.9) $(A - B)' = \{2, 3, 4, 6, 7, 8, 9, 10, 12, 13, 14\}$

5. จงแรเงาแผนภาพเซต

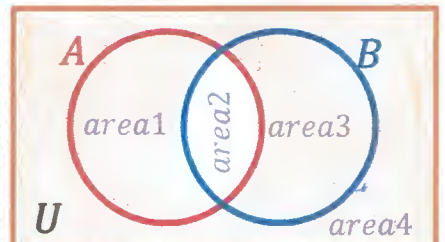
5.1) $A \cap B$



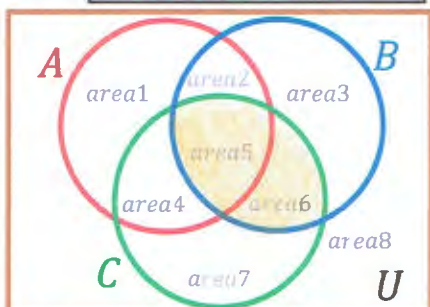
5.2) $B - A$



5.3) $(A \cap B)'$



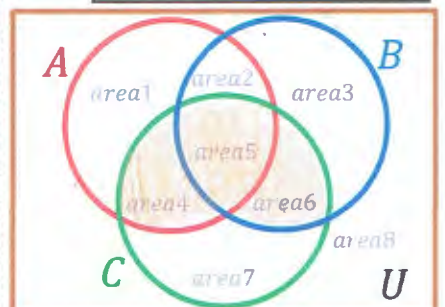
5.4) $B \cap C$



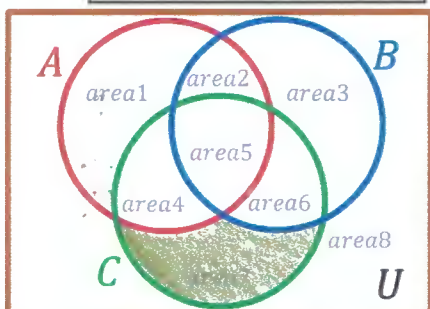
5.5) $C \cap (A \cup B)$



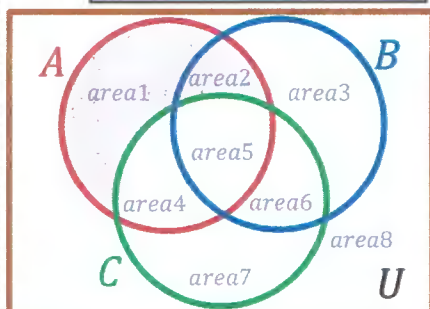
5.6) $(A \cap C) \cup (B \cap C)$



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



5.8) $C' - A'$



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

