



ชื่อ-นามสกุล

เลขประจำตัว No. 1

แบบฝึกหัดเรื่อง Set

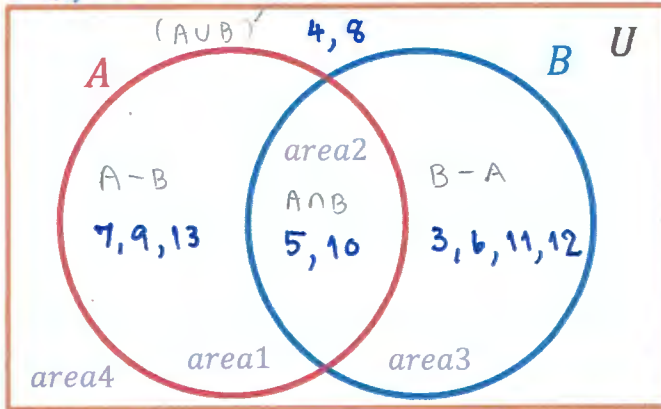
1. กำหนดให้

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

$$A = \{5, 7, 9, 10, 13\}$$

$$B = \{3, 5, 6, 10, 11, 12\}$$

1.1) จงเขียนสมาชิกของแต่ละเซต ลงในแผนภาพเซต



1.2) จงหา

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

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

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

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

$$n((A \cup B)') = 2$$

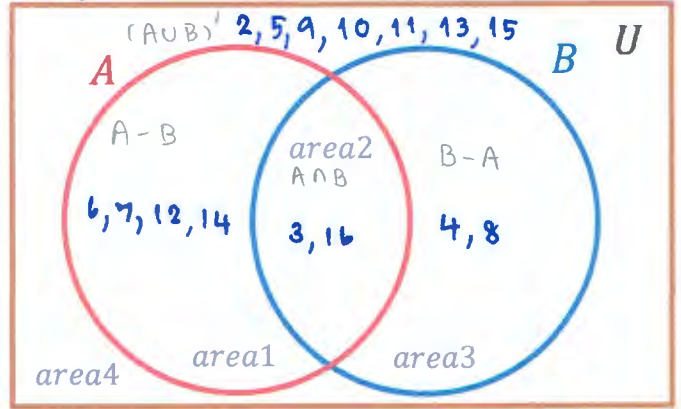
2. กำหนดให้

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

$$A = \{3, 6, 7, 12, 14, 16\}$$

$$B = \{3, 4, 8, 16\}$$

2.1) จงเขียนสมาชิกของแต่ละเซต ลงในแผนภาพเซต



2.2) จงหา

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

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

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

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

$$n((A \cup B)') = 7$$

3. กำหนดให้

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

$$A = \{7, 10, 13\}$$

$$B = \{1, 2, 3, 7, 12, 15, 16\}$$

$$C = \{1, 12, 13, 15, 16\}$$

3.1) จงเขียนสมาชิกของแต่ละเซต ลงในแผนภาพเซต

3.2) จงหา

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

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

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

$$n(B \cap C) = 4$$

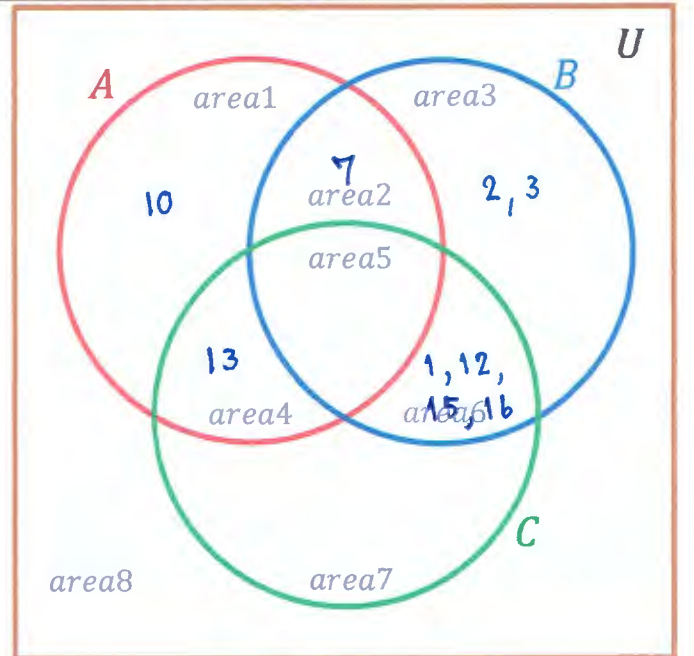
$$n(A \cup C) = 7$$

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

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

$$n(B - A) = 6$$

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



$$n((A \cap B) \cup C) = 6$$

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

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

4.1) $A \cup B = \{4, 7, 9, 11, 12, 13, 14, 15\}$

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

4.3) $A \cup B' = \{4, 5, 6, 7, 8, 10, 11, 12, 13, 16\}$

4.4) $A' \cap B = \{9, 14, 15\}$

4.5) $A - B = \{4, 7, 11, 12, 13\}$

4.6) $B' - A = \{5, 6, 8, 10, 16\}$

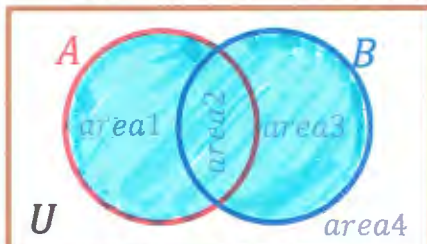
4.7) $(A \cup B)' = \{5, 6, 8, 10, 16\}$

4.8) $A' \cap B' = \{5, 6, 8, 10, 16\}$

4.9) $(A - B)' = \{5, 6, 8, 9, 10, 14, 15, 16\}$

5. จงแรเงาแผนภาพเซต

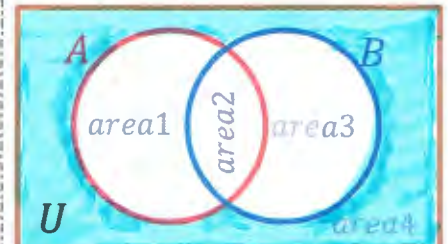
5.1) $A \cup B$



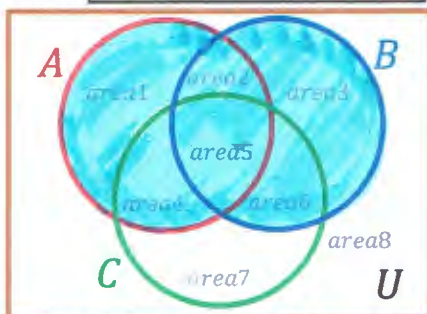
5.2) $A' - B'$



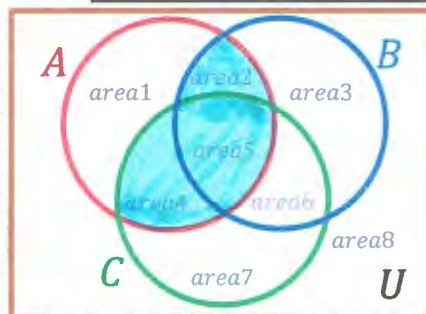
5.3) $(A \cup B)'$



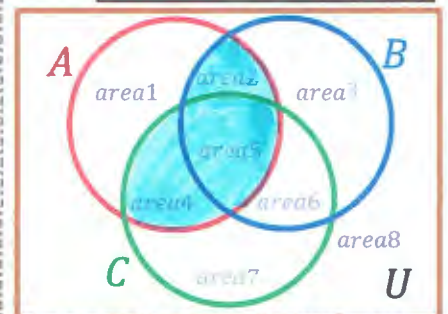
5.4) $A \cup B$



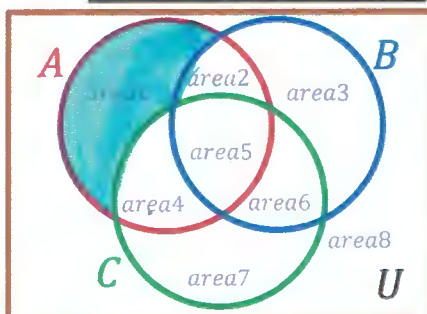
5.5) $A \cap (B \cup C)$



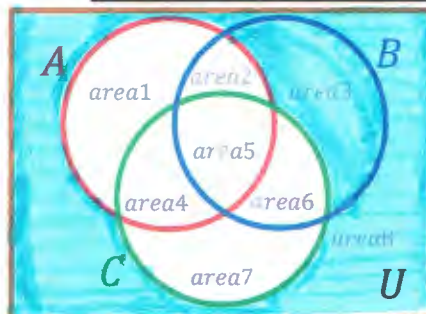
5.6) $(A \cap B) \cup (A \cap C)$



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



5.8) $A' \cap C'$



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

