



### แบบฝึกหัดเรื่อง Set

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เลขประจำตัว ..... 10626.....

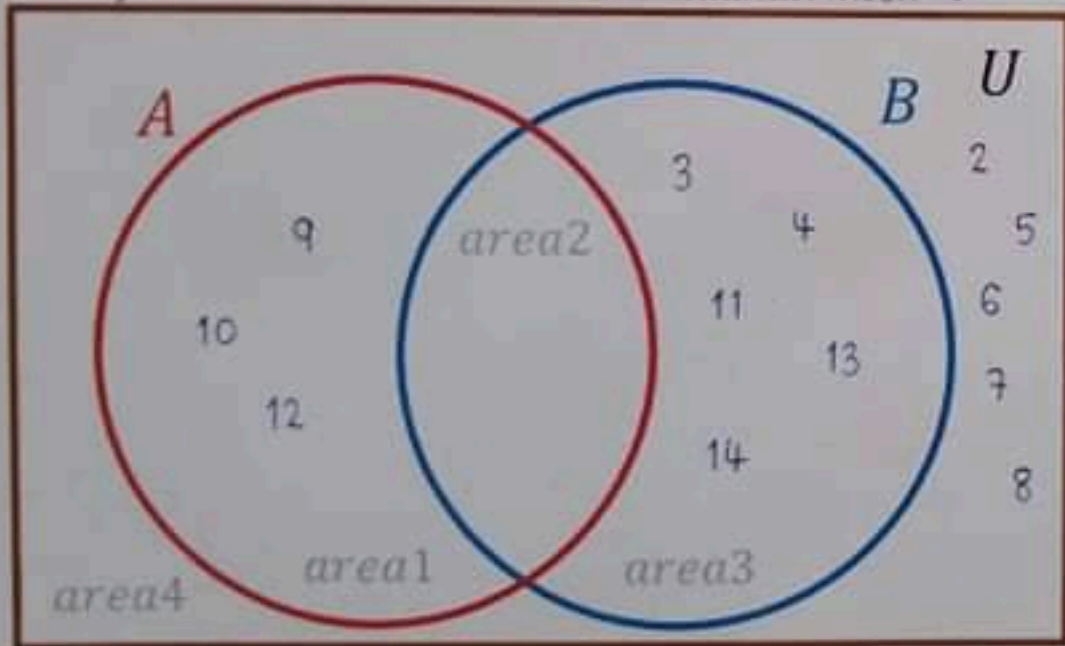
1. กำหนดให้

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

$$A = \{ 9, 10, 12 \}$$

$$B = \{ 3, 4, 11, 13, 14 \}$$

1.1) จงเขียนสมาชิกของแต่ละเซต ลงในแผนภาพเซต



1.2) จงหา

$$n(A \cap B) = \underline{\quad 0 \quad}$$

$$n(A - B) = \underline{\quad 3 \quad}$$

$$n(B - A) = \underline{\quad 5 \quad}$$

$$n(A \cup B) = \underline{\quad 8 \quad}$$

$$n((A \cup B)') = \underline{\quad 5 \quad}$$

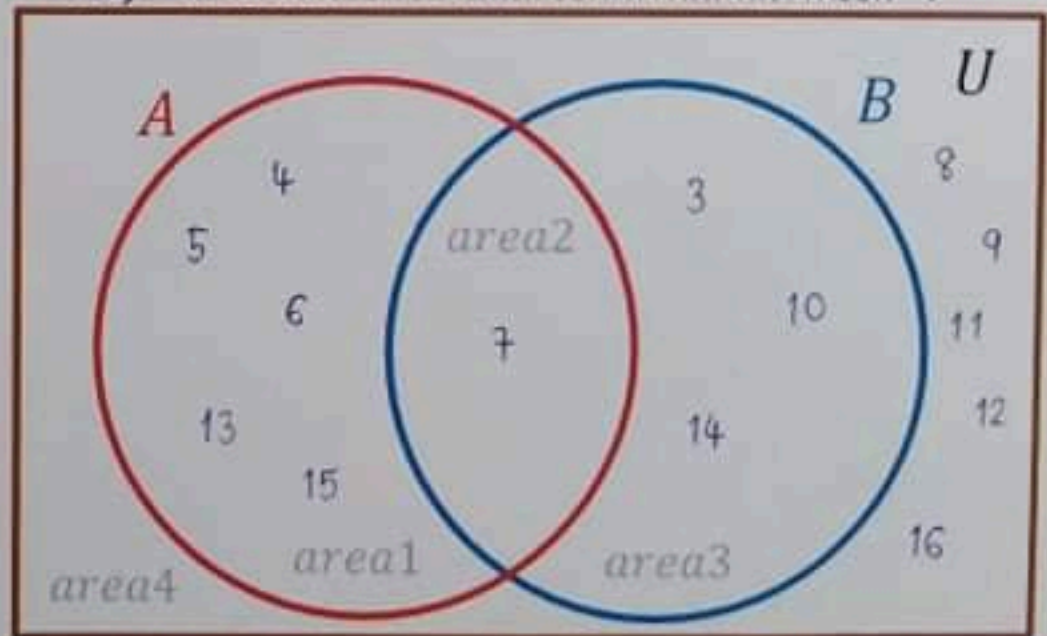
2. กำหนดให้

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

$$A = \{ 4, 5, 6, 7, 13, 15 \}$$

$$B = \{ 3, 7, 10, 14 \}$$

2.1) จงเขียนสมาชิกของแต่ละเซต ลงในแผนภาพเซต



2.2) จงหา

$$n(A \cap B) = \underline{\quad 1 \quad}$$

$$n(A - B) = \underline{\quad 5 \quad}$$

$$n(B - A) = \underline{\quad 3 \quad}$$

$$n(A \cup B) = \underline{\quad 9 \quad}$$

$$n((A \cup B)') = \underline{\quad 5 \quad}$$

กำหนดให้

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

$$A = \{1, 2, 12, 17\}$$

$$B = \{1, 4, 7, 9, 10, 12, 17\}$$

$$C = \{1, 5, 6, 8, 13, 14\}$$

3.1) จงเขียนสมาชิกของแต่ละเซต ลงในแผนภาพเซต  $\Rightarrow$

3.2) จงหา

$$n(A \cap B \cap C) = \underline{\hspace{2cm} 1 \hspace{2cm}}$$

$$n(A \cup B \cup C) = \underline{\hspace{2cm} 13 \hspace{2cm}}$$

$$n(A \cap B) = \underline{\hspace{2cm} 3 \hspace{2cm}}$$

$$n(B \cap C) = \underline{\hspace{2cm} 1 \hspace{2cm}}$$

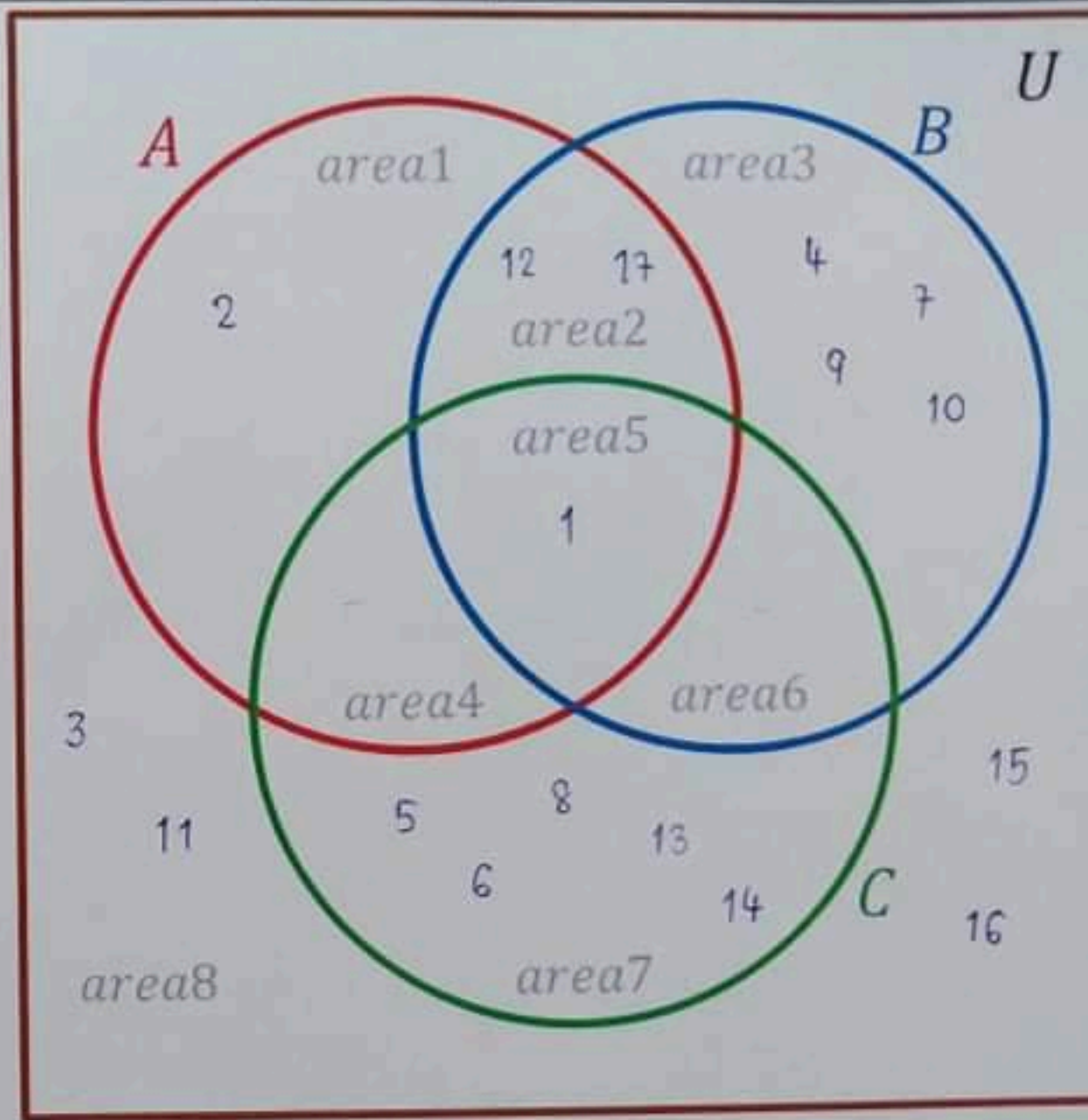
$$n(A \cup C) = \underline{\hspace{2cm} 9 \hspace{2cm}}$$

$$n(B \cup C) = \underline{\hspace{2cm} 12 \hspace{2cm}}$$

$$n(A - B) = \underline{\hspace{2cm} 1 \hspace{2cm}}$$

$$n(B - A) = \underline{\hspace{2cm} 4 \hspace{2cm}}$$

$$n((A \cup B) \cap C) = \underline{\hspace{2cm} 1 \hspace{2cm}}$$



$$n((A \cap B) \cup C) = \underline{\hspace{2cm} 8 \hspace{2cm}}$$

$$n((A \cap B \cap C)') = \underline{\hspace{2cm} 16 \hspace{2cm}}$$



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

$A = \{ 6, 7, 8, 9, 11, 14, 16 \}$ ,  $B = \{ 4, 6, 12, 13, 14 \}$  จงหาเซตในแต่ละข้อต่อไปนี้

4.1)  $A \cup B = \{ 4, 6, 7, 8, 9, 11, 12, 13, 14, 16 \}$

4.2)  $A \cap B = \{ 6, 14 \}$

4.3)  $A \cup B' = \{ 5, 6, 7, 8, 9, 10, 11, 14, 15, 16 \}$

4.4)  $A' \cap B = \{ 4, 12, 13 \}$

4.5)  $A - B = \{ 7, 8, 9, 11, 16 \}$

4.6)  $B' - A = \{ 5, 10, 15 \}$

4.7)  $(A \cup B)' = \{ 5, 10, 15 \}$

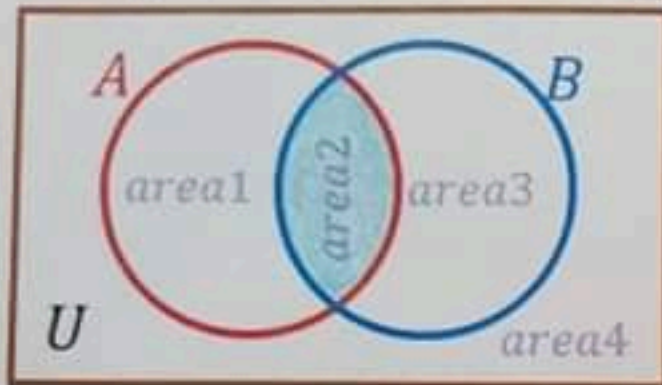
4.8)  $A' \cap B' = \{ 5, 10, 15 \}$

4.9)  $(A - B)' = \{ 4, 5, 6, 10, 12, 13, 14, 15 \}$



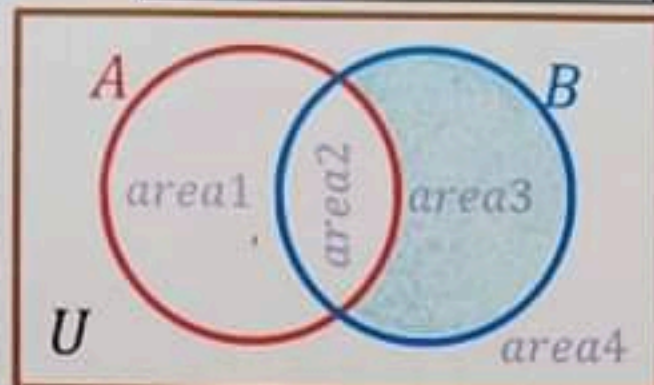
5.1)

$$A \cap B$$



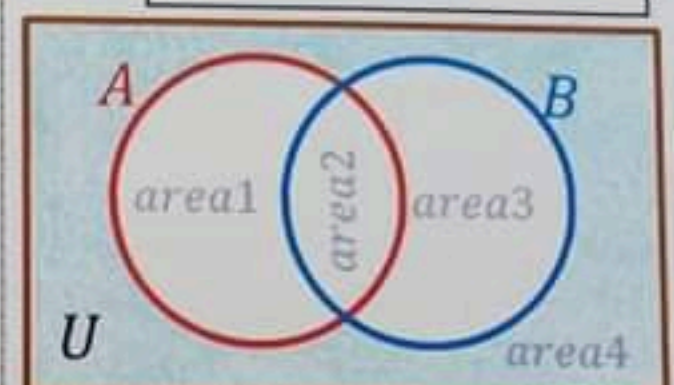
5.2)

$$B - A$$



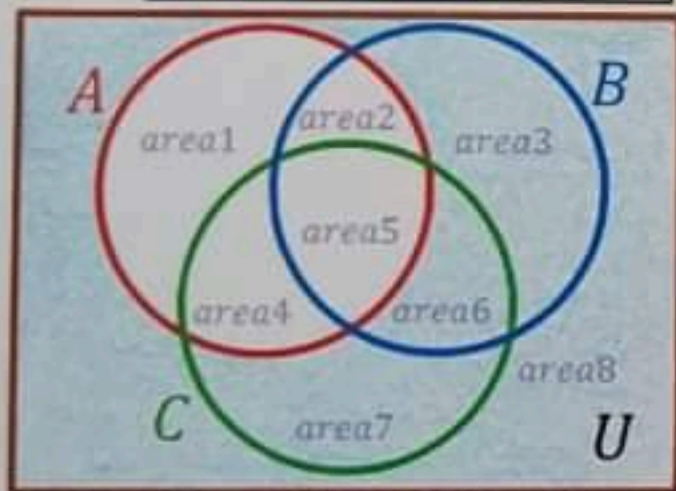
5.3)

$$(A \cup B)'$$



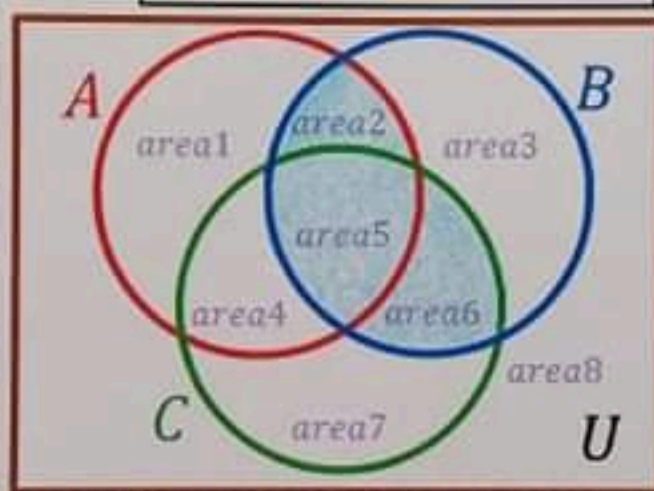
5.4)

$$A'$$



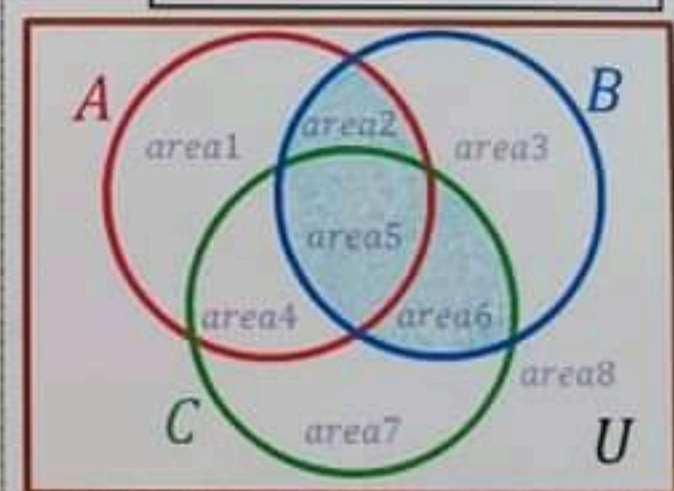
5.5)

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



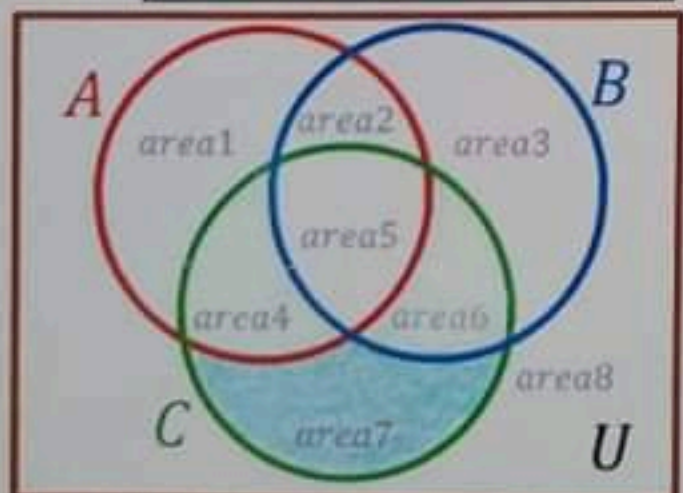
5.6)

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



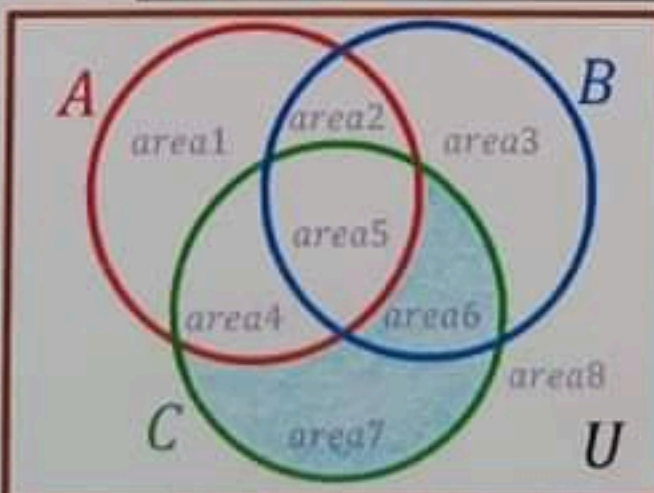
5.7)

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



5.8)

$$A' - C'$$



5.9)

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

