1.
$$\Omega = \{(x,y) \mid x, y=1,2,3,4,5,6\}$$

$$A = \{(2,1)(3,1)(4,1)(5,1)(6,1)(6,2)(4,3)(5,2)(6,2)(4,3)(5,3)(6,3)(5,4)(6,4)(6,5)\}$$

$$B = \{(1,1)(2,2)(3,3)(4,4)(5,5)(6,6)\}$$

$$C = \{(4,6)(5,5)(6,4)\}$$

(3)
$$\Omega = \{ \vec{r} \mid |\vec{r}| < 1 \}$$

 $A = \{ \vec{r} \mid |\vec{r}| < \frac{1}{2} \}$ $C = \{ \vec{r} \mid \frac{1}{3} < \vec{r}| < \frac{1}{2} \}$

- 2. (1) A, A, A, A, U A, A, A, U A, A, A,
 - (2) AIUALAUA3
 - (3) A. · (A2UA3)
 - (4) A.Ā,Ā, UĀ,AzĀ, UĀ,Ā,Ā, UĀ,ĀzĀ,
- 3. (1) ø
 - $(2) \left\{ 0 \leq X \leq 2 \right\}$
 - (3) { 0 ≤ 1× ≤ 立 式 1 < x ≤ 2}
 - $(4) \{ \frac{1}{4} < x \leq \frac{3}{2} \}$
- 4. A~喜欢巧克力 B~喜欢夹心糖 C~喜欢奶糖 |AUBUC|=811+752+418-570-356-348+297=1004>1000 矛盾.