22S1 Q2

Solution



**Figure 2**          **Figure 3**          **Figure 4**
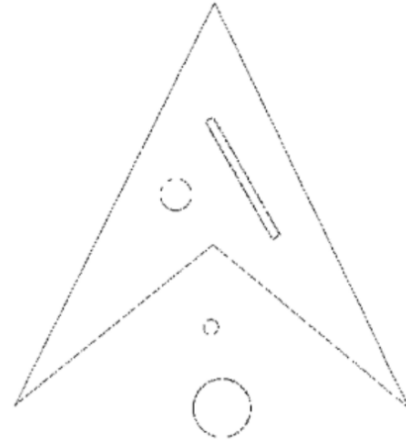
(a)
dilation

(b)
erosion

(c)
$A \cdot B =$
$(A \oplus B) \ominus B$

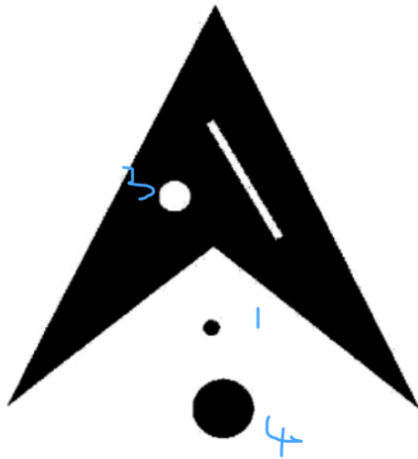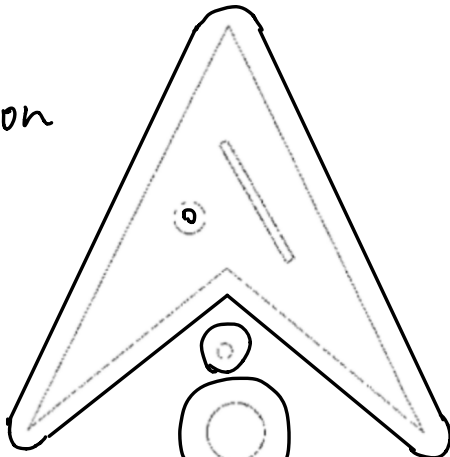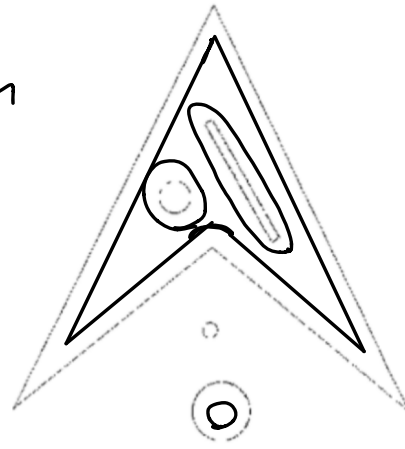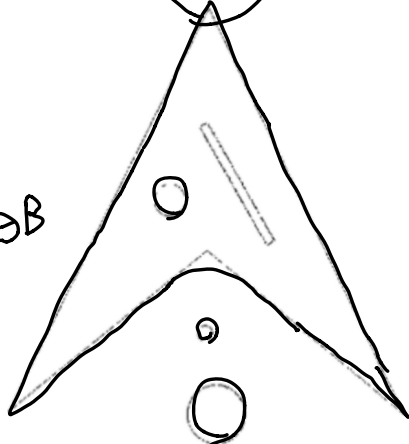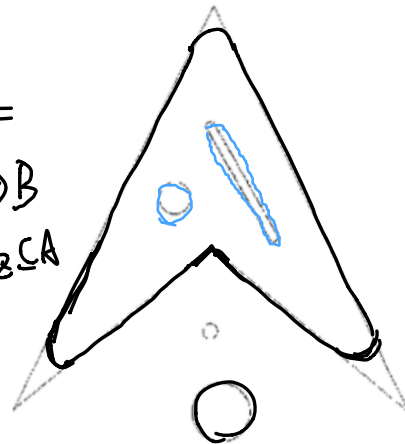(d)
$A \circ B =$
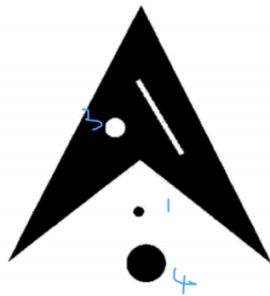$(A \ominus B) \oplus B$
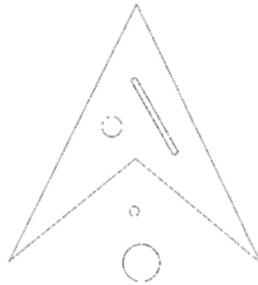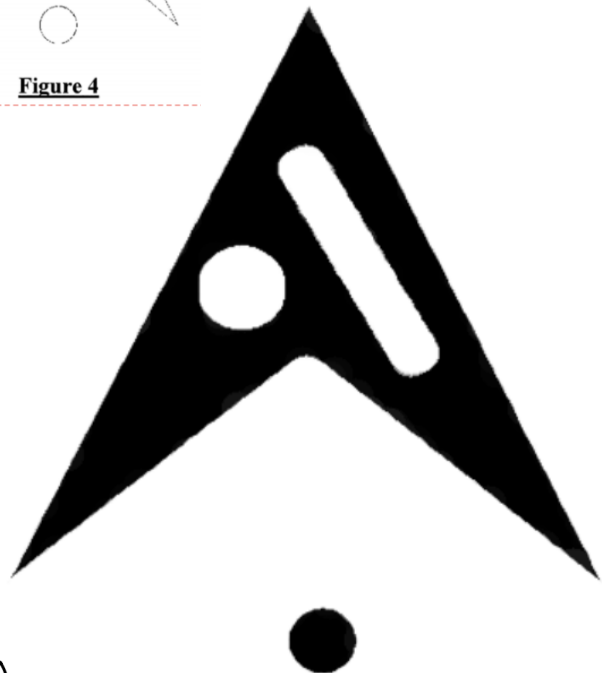$= \cup \{ (B)_z | (B)_z \subseteq A \}$

Figure 2          Figure 3          Figure 4

(a)
dilation

(b)
erosion

膨胀 → 外切中心
腐蚀 → 内切中心
开/凸 → 内切面
闭/凹 → 外切面



(c)

$A \bullet B =$
$(A \oplus B) \ominus B$

(d)

$A \circ B =$
$(A \ominus B) \oplus B$
$= \cup \{ (B)_z | (B)_z \subseteq A \}$