

$$ii) \text{ } \cancel{A} = \begin{aligned} &\{ (x, 1) \in \mathbb{R}^2 : 0 \leq x \leq 1 \} \\ &\cup \{ (1, y) \in \mathbb{R}^2 : 0 \leq y \leq 1 \} \\ &\cup \{ (x, 0) \in \mathbb{R}^2 : 0 \leq x \leq 1 \} \\ &\cup \{ (0, y) \in \mathbb{R}^2 : 0 \leq y \leq 1 \} \end{aligned}$$

$1\frac{1}{2}$

*a and b are more appropriate than x and y, here*

$$\text{int } A = \{ (x, y) : 0 < x < 1, 0 < y < 1 \} \checkmark$$

$$\frac{4}{4} \text{ } \cancel{A} = \{ (x, y) : 0 \leq x \leq 1, 0 \leq y \leq 1 \} \checkmark$$