



#04 Sets

Total points **5/5** ?

Name *

.....

Section *

✓ Q1 *

1/1

Let $A = \{x : x \in \mathbb{R}, x > 4\}$ and $B = \{x : x \in \mathbb{R}, x < 5\}$. Then $A \cap B =$

(4, 5]

Option 1

(4, 5)

Option 2



[4, 5]

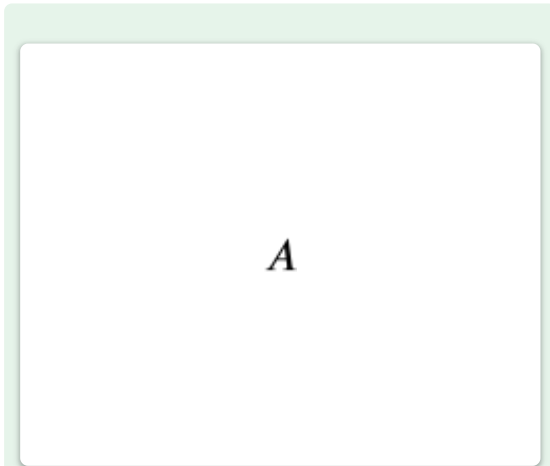


Option 3

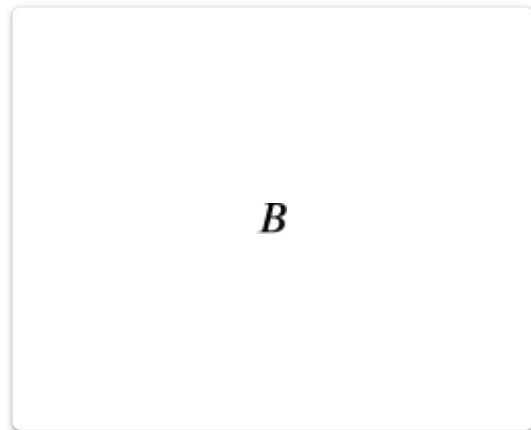
✓ Q2 *

1/1

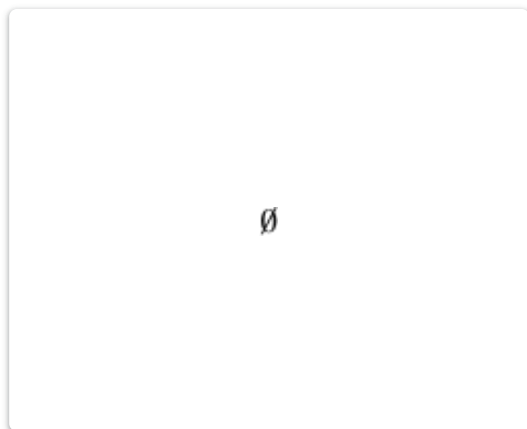
For any two sets $A \cap (A \cup B) =$



Option 1



Option 2



Option 3



The three subsets of $\{\emptyset, a\}$ are \emptyset , $\{\emptyset, a\}$, $\{a\}$. The fourth subset is

$\{\}$

Option 1

$\{\emptyset\}$

Option 2



$\{\{\emptyset\}\}$

Option 3



For two sets $A \cup B = A \iff$

$$B \subset A$$

Option 1



$$A \subset B$$

Option 2

$$A \neq B$$

Option 3

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