

MTH211

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Consider the subsets $K = \{2, 4, 6, 8\}$, $L = \{1, 2, 3, 4\}$ of $U = \{1, 2, 3, \dots, 10\}$. Find $K \cap V$

Answer: $\{1, 3, 5, 7, 9\}$ or $\{1, 3, 5, 7, 9\}$

When two sets A and B consist of the same elements, they are called sets

Answer: union

If $A = B$, then $A - B =$

Answer: empty set

Exhibit in tabular form $A = \{a : a \in \mathbb{N}, 2 < a < 6\}$

Answer: $\{3, 4, 5\}$

Let $A = \{1, 2\}$, $B = \{a, b, c\}$, $C = \{c, d\}$. Find $A \times W$ (where $W = B \cap C$).

Answer: $\{(1, c), (2, c)\}$

The set $\{a + b : a, b \in \mathbb{Z}\}$ is set of number

Answer: real

Given the sets $A = \{1\}$, $B = \{0\}$, $C = \{5\}$ is their super set

Answer: $S = \{1, 2, 3, 4, 5\}$

$(2 - i5)$ is an example of Answer: complex number

Which of these is not a set of numbers

Answer: integral domain

$\sqrt{2} + 3i$ is an example of number

Answer: rational

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