
Name: _____

QUIZ 2 ♠

MATH 211
January 24, 2023

1. Suppose $A = \{2, 3\}$ and $B = \{0, \emptyset\}$. Write $A \times B$ by listing its elements between braces.

2. Suppose $A = \{a, b, c, d\}$, and let $B = \{X \subseteq A : |X| \leq 1\}$.
Write out B by listing its elements between braces.

3. If $B = \{2, 4, 6\}$, then $\mathcal{P}(B) =$

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1. Suppose $A = \{1, 2\}$ and $B = \{a, b, c\}$. Write $A \times B$ by listing its elements between braces.

2. Suppose $A = \{a, b, c, d\}$, and let $B = \{X \subseteq A : |X| = 3\}$.
Write out B by listing its elements between braces.

3. If $A = \{\mathbb{Z}, \mathbb{N}\}$, then $\mathcal{P}(A) =$

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1. Suppose $A = \{0, \emptyset\}$ and $B = \{1, 2\}$. Write $A \times B$ by listing its elements between braces.

2. Suppose $A = \{a, b, c, d\}$, and let $B = \{X \subseteq A : |X| = 0\}$.
Write out B by listing its elements between braces.

3. If $A = \{a, b, c\}$, then $\mathcal{P}(A) =$

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1. Suppose $A = \{a, b, c\}$ and $B = \{0, 1\}$. Write $A \times B$ by listing its elements between braces

2. Suppose $A = \{a, b, c, d\}$, and let $B = \{X \subseteq A : |X| = 2\}$.
Write out B by listing its elements between braces.

3. If $A = \{0, \emptyset\}$, then $\mathcal{P}(A) =$