Graded quiz on Sets, Number Line, Inequalities, Simplification, and Sigma Notation

LATEST SUBMISSION GRADE

92.3%

1. Let $B = \{3, 5, 10, 11, 14\}$. Is the following statement true or false: $3 \notin B$ — **1 / 1 point**

- ○ True
- ◉ False

Correct

The symbol $\notin$ stands for "is not an element of." Since 3 is in an element of the set B, the given statement is not true.

2. Let $A = \{1, 3, 5\}$ and $B = \{3, 5, 10, 11, 14\}$. Which of the following sets is equal to the union $A \cup B$? — **1 / 1 point**

- ○ $\{1, 10, 18\}$
- ○ $\{3, 5, 10, 11, 14\}$
- ◉ $\{1, 3, 5, 10, 11, 14\}$
- ○ $\{1, 3, 5, 3, 5, 10, 11, 14\}$

Correct

The union of two sets consists precisely
of the elements that are in at least one of the two sets. That is precisely what
is listed here.

3. How many real numbers are there between the integers 1 and 4? — **1 / 1 point**

- ○ None
- ○ 4
- ○ 2
- ◉ Infinitely many

Correct