Your grade: 100%

Your latest: **100%** • Your highest: **100%** • To pass you need at least 75%. We keep your highest score.

Next item →

1. Let $A = \{1, 3, 5\}$. Is the following statement: $3 \in A$. True or false? 1 / 1 point

- (•) True
- ( ) False

Correct
The symbol $\in$ stands for "is an element of" and it is true that 3 is an element of A. The other two elements of A are 1 and 5.

2. Let $E = \{-1, -2, -3\}$. Compute the cardinality $|E|$ of E: 1 / 1 point

- ( ) -3
- ( ) E
- (•) 3
- ( ) 0

Correct
Recall that the cardinality of a set is the number of elements in it. Since E has three elements (which are $-1, -2, -3$), the cardinality of E is $|E| = 3$.

3. Let $A = \{1, 3, 5\}$ and $B = \{3, 5, 10, 11, 14\}$. 1 / 1 point

Which of the following sets is equal to the intersection $A \cap B$?

- ( ) $\{1, 3, 5\}$
- (•) $\{3, 5\}$
- ( ) $\{3, 5, 10\}$
- ( ) $\{3\}$

Correct
The intersection of two sets consists precisely of the elements they share in common. The elements 3 and 5 are in both A and B.