# Practice quiz on Sets

**PUNTOS TOTALES DE 3**

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

   **1 / 1 puntos**

   ⦿ True

   ◯ False

   > ✓ **Correcto**
   >
   > 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 puntos**

   ⦿ 3

   ◯ $E$

   ◯ 0

   ◯ $-3$

   > ✓ **Correcto**
   >
   > 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 puntos**

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

   ◯ $\{3, 5, 10\}$

   ◯ $\{1, 3, 5\}$

   ⦿ $\{3, 5\}$

   ◯ $\{3\}$

   > ✓ **Correcto**
   >
   > The intersection of two sets consists precisely of the elements they share in common. The elements $3$ and $5$ are in both $A$ and $B$.