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CALIFICACIÓN
100%

PARA APROBAR 75 % o más

Practice quiz on Sets

PUNTOS TOTALES DE 3

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

    1 / 1 puntos

  ⦿ 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.

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

    1 / 1 puntos

  ◯ E

  ◯ -3

  ⦿ 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 $|E| = 3$.

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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 $A \cap B$?

○ $\{3, 5, 10\}$

○ $\{1, 3, 5\}$

◉ $\{3, 5\}$

○ $\{3\}$

> ✓ **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.