Math III
Second Period

Activity 2.6.- Events mutually exclusive.

Instructions: Write the value corresponding to each box.

Sample space: $m=\{1,2,3,4,5 \text{ y } 6\}$

Event **A** they are even: $A = \{2, 4 \text{ and } 6\}$ $P(A)=$ ___

Event **B** they are odd: $B = \{1, 3 \text{ and } 5\}$ $P(B)=$ ___

Event **C** are prime numbers: $C = \{2, 3 \text{ and } 5\}$ $P(C)=$ ___

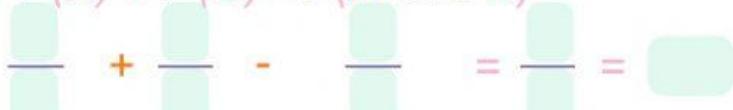Events **A** y **B** sare **mutually exclusive**, because their values are not repeated::

$P(A \text{ or } B) = P(A) + P(B) =$

___ + ___ = ___ = ___

Events **A** y **C** *They are **NOT mutually exclusive** because their values are repeated:*

$P(A \text{ and } C) =$ ___

$P(A \text{ or } C) = P(A) + P(C) - P(A \text{ and } C) =$

___ + ___ - ___ = ___ = ___

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