



#01 Cartesian Product

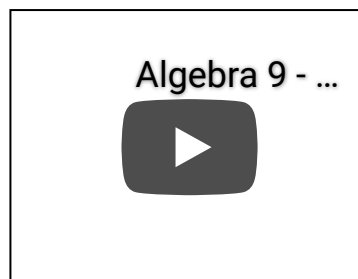
Total points **5/5** ?

Name

.....

Section *

Cartesian Product: watch the video if you want to refresh the concept.



✓ If the set $A = \{ 1, -2 \}$ and $B = \{ 2, 4, 5 \}$, then $A \times B$ has how many elements? 1/1

*

1

5

6



✓ If $A = \{1, -1\}$ then $A \times A \times A$ is a set containing how many elements? * 1/1

6

8 ✓

10

✓ Let A and B be two sets such that $n(A) = 3$ and $n(B) = 2$. If $(a, 1)$, $(b, -2)$ and $(c, 1)$ are in $A \times B$, then A and B are *

$A = \{a, 1, -2\}$, $B = \{b, c\}$

$A = \{1, a, b\}$, $B = \{1, -2\}$

$A = \{a, b, c\}$, $B = \{1, -2\}$ ✓

✓ The Cartesian product $A \times A$ has 9 elements among which are found $(-2, 1)$, $(3, 2)$. Then the set A is *

$\{-2, 3\}$

$\{-2, 2, 3\}$ ✓

$\{-2, 2\}$

✓ If $A = \{2,3\}$, $B = \{5, 7, 9\}$, then $B \times A = \{(2,5), (2,7), (2,9), (3,5), (3,9)\}$ *

1/1

True

False



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Google Forms

