

SN	CRSCC	QUESTION
1	MTH30	A topological invariant is a way of assigning a mathematical object $L(X)$ to every topological space X , such that if X and Y are _____ then $L(X)$ and $L(Y)$ are isomorphic.
2	MTH30	Let X be a topological space and $A \subset X$. The _____ $Cl(A)$ of A is the intersection of all the closed subsets of X that contain A .
3	MTH30	If A and B are two subsets of X , A is said to meet B if _____
4	MTH30	Let X be a topological space and $A \subset X$. A _____ Point of A is a point x in X such that every neighbourhood of x contains some points of A different from x .
5	MTH30	A set is closed if it contains all its _____ points.
6	MTH30	A set is open if it contains all its _____ points.
7	MTH30	Let X be a topological space and A , a subset of X . The _____ topology τ_A on A if for some $\tau_A = \{U \subset A : U = W \cap A \text{ for some } W \in \tau\}$.
8	MTH30	A topological invariant is a way of assigning a mathematical object $L(X)$ to every topological space X , such that if X and Y are _____ then $L(X)$ and $L(Y)$ are isomorphic.
9	MTH30	Let X be a topological space and $A \subset X$. The _____ $Cl(A)$ of A is the intersection of all the closed subsets of X that contain A .
10	MTH30	If A and B are two subsets of X , A is said to meet B if _____

OPTION A	OPTION B	OPTION C	OPTION D	ANS
homeomorph	holomorphic	interior	relative	A
interior	closure	limit	exterior	B
$\ (A\cap B)\leq$	$\ (A\cap B= \rho$	$\ (A\cup B)\leq$	$\ (A\cup B= \rho$	A
interior	boundary	limit	exterior	C
interior	boundary	limit	exterior	A
usual	relative	relation	subset	B
homeomorphic	holomorphic	interior	relative	A
interior	closure	limit	exterior	B
$\ (A\cap B)\neq$	$\ (A\cap B= \rho$	$\ (A\cup B)\neq$	$\ (A\cup B= \rho$	A

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