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M	TI	H 3	30	1

1. If A and B are two subsets of X, A is said to meet B if	
>> \(A\cap B\leq \phi\)	
\(A\cap B= \phi\)	
\(A\cup B\leq \phi\)	
\(A\cup B= \phi\)	
2. Let X be a topological space and (A\subset X\) . The\(Cl(A)\) of A the intersection of all the closed subsets of X that contain A $$ n	is
interior	
>> closure	
limit	
exterior	
3. 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.n	
>> homeomorphic	
holomorphic	
interior	
relative	
4. 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 $L(Y)$ and isomorphic.n	re
>> homeomorphic	
holomorphic	
interior	
relative	

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point x in X such that every neighbourhood of x contains some points of A different from x.n

interior
>> boundary
limit
exterior
6. A set is open if it contains all its points.
>> interior
boundary
limit
exterior
7. A set is closed if it contains all its points
interior
boundary
>> limit
exterior
8. If A and B are two subsets of X, A is said to meet B if
>> \(A\cap B\neq \phi\)
\(A\cap B = \phi\)
\(A\cup B\neq \phi\)
\(A\caup B= \phi\)
9. Let X be a topological space and A, a subset of X. The topology \(Ã□"_{A}\) on A if n for some \(\tau_{A}={U\subseteq A: U=W\) for some \(\tau_{n}\)n
usual

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relation
subset

10. Let X be a topological space and \(A\subseteq\). The _____\(CI(A)\) of A is the intersection of all the closed subsets of X that contain A

interior
--->> closure

limit
exterior

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