_____
Closed

[MTH401] The intersection of any finite number of open set in \(\mattab{R}\)is

_____
Open

[MTH401] A set said to be open if and only if each of its points is a/an

_____
Interior point

[MTH401] If the inverse image of an open set is open, then the function is said to be

_____
Continuous

[MTH401] A subset of metric space \((E,d)\) is a closed set if it contains

_____
All its limit points

[MTH401] When is a set \(A\) of real number said to be complete
If every Cauchy sequence of points in A converges to a point in A

[MTH401] The set of limit points of F, denoted by \(F^{t}\), is called _____
Derive set of F

[MTH401] Which of the following statement is false
Any compact subset of a Hausdaorff space is compact

[MTH401] A set A is a super set of B when _____
\(B\subset A\)

[MTH401] Consider the sequence \(a_{n} : n\in \mattab{N}\), if and only if for every \(\in\) , there exist a positive integer \(n_{0}\) such that \(|a_{n}-a_{m} |<\in\), such sequence is said to be _____
Cauchy sequence