

Q31. The statement "If x^2 is not even, then x is not even" is converse of the statement

- (a)** If x^2 is odd, then x is even
- (b)** If x is not even, then x^2 is not even
- (c)** If x is even, then x^2 is even
- (d)** If x is odd, then x^2 is even

Sol: (b) Let p : x^2 is not even.

and q : x is not even.

Converse of the statement $p \rightarrow q$ is $q \rightarrow p$. i.e.,

If x is not even, then x^2 is not even.