

INTERMEDIATE VALUE THEOREM

If f is continuous on $[a, b]$ and $f(a) \neq f(b)$ then for any value $c \in (f(a), f(b))$, there is at least one number x_0 in (a, b) for which $f(x_0) = c$

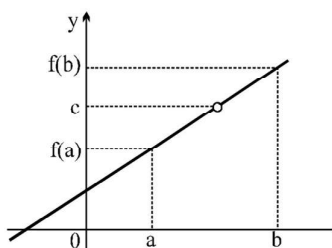
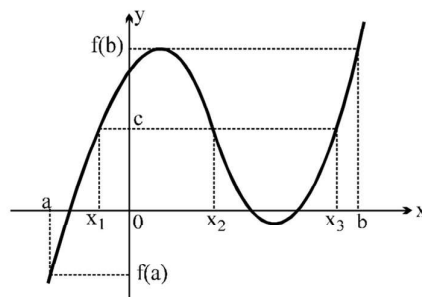
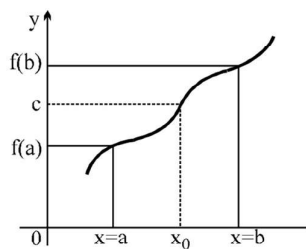


Figure-2

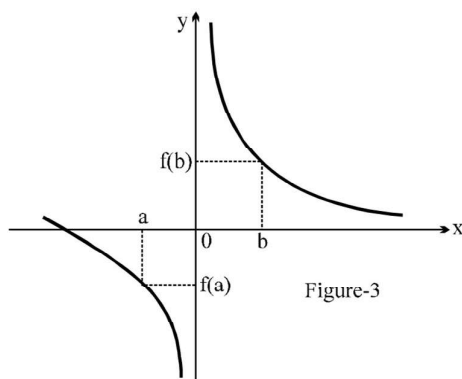


Figure-3