Composition of function:

The composition of f with g denoted by fog(x).

$fog(x) = f(g(x)).$

$gof(x) = g(f(x))$

Let f:A→B and g:B→C, to find the composition function gof:A→C

$(gof)(a) = g(f(a)) = g(y) = t$

$(gof)(b) = g(f(b)) = g(x) = s$

$(gof)(c) = g(f(c)) = g(y) = t$