MATHS

1. Composites of f o g or g o f only work if the range of one goes into the sub range of the other ie. First on one goes into second of another and its done by f o g = f(g(x)) g o f = g(f(x))
2. Functions are not injective where you can find a value x1 not equal to x2 where f(x1)=f(x2)
3. that f : R -> R is bijective if for all y belongs to R the equation f(x) = y has a unique solution.