Section 6.1

Composite Functions

THE COMPOSITE FUNCTION

Given two function f and g, the **composite function**, denote by $f \circ g$ (read "f composed with g"), is defined by

$$(f \circ g)(x) = f\big(g(x)\big)$$

DOMAIN OF COMPOSITE FUNCTIONS

The domain of the composite function $f \circ g$ is the set of all numbers x in the domain of g such that $g(x)$ is in the domain of f.