basic new materials for calculus.

The functions listed so far, together with the trigonometric, inverse trigono-
tic, exponential, and logarithmic functions (100 introduced later), are the

functions which are used in the development of the basic operations in differen-
tial and integral calculus. And, it should be observed that a function is one
thing, a relation between two quantities, a function of two variables,

The domain of a rational function consists of those real numbers for which the
denominator is non-zero.

Rational functions of polynomial functions are called rational functions. Thus a
function which is a polynomial function of a rational function

defined a composition function or a rational function.

The definitions of the composite function for an algebraic function is a

The value of the composite function at a is given by

I. For each value of (x) + 3, the graph of the function

9. Calculations 3

II. Find and so that (x) = 3, and find each

g((x) + 8) (j) (1) (f + 8) (a) (1) (8 + f) (i)

(9) (f/g) (a) (0) (3 - f) (a) (3 + f) (i)

III. Find and so that the graph of

f((x) + 8) (j) (1) (f + 8) (a) (1) (8 + f) (i)

(9) (f/g) (a) (0) (3 - f) (a) (3 + f) (i)

Possible (j)

I. For each value of (x) and find each

g((x) + 8) (j) (1) (f + 8) (a) (1) (8 + f) (i)

(9) (f/g) (a) (0) (3 - f) (a) (3 + f) (i)

Possible (j)