

$y = f(x)$ or, equivalently,
 $x = f^{-1}(y)$

$f(b)$

$$\int_{f(a)}^{f(b)} f^{-1}(y) dy$$

$f(a)$

$a f(a)$

$$\int_a^b f(x) dx$$

0

a

b

x

