$num? \geq$
0
$root!^2 =$
$num?$
$root! \geq$
0
N
Z
R
$v?$
$v!$
$num?$
$root!$
$=$
Δ
y
$y =$
$R(x)$
$a \leq$
$x \leqslant$
b
x
$\int_a^b \pi(R(x))^2 x$
$y =$
$\sqrt{x}$
$0 \leq$
$x \leqslant$
4
x
y
$x =$
$R(y)$
$c \leq$
$y \leqslant$
d
y
$\int_c^d \pi(R(y))^2 y$
$\int f(x)g(x)dx$
f
g
$$\int xe^x dx,$$
$f(x) =$
x
$g(x) =$
e^x
$$\int e^x \sin x dx$$
$F(x)$
$f(x)$
x
f
$F'(x) = f(x).$
f
f
x
$$\int f(x)dx$$
f
g
$f(x) =$
$g(x) +$
C
F
f
f
F
F
f
f
F
$$\int f(x)dx = F(x) + C$$
$\int_0^1 \sqrt{1 + \cos x}dx$
$\int_0^1 \sqrt{1 + \cos x}dx$
$\int_0^1 \sqrt{1 + \cos x}dx$
$\int_0^1 \sqrt{1 + \cos x}dx$
$f(x) =$
$3x^2 +$
12
x
f
$\lim_{\Delta x \to 0} f(x + \Delta x) - f(x)\Delta x$
$=$
$\lim_{\Delta x \to 0} 3(x + \Delta x)^2 + 12 - (3x^2 + 12)\Delta x$
$-$