

$\frac{1}{L} \int_{-L}^L f(x) \delta(x) dx = f(0)$

$\int_{-L}^L f(x) \delta(x) dx = f(0)$

1

$f(x)$	T	Value
$f(x) = 1$	.0	
$f(x) = x$	1.5	
$f(x) = x^2$	1.5	
$f(x) = x^3$	1.5	
$f(x) = x^4$	1.5	
$f(x) = x^5$	1.5	
$f(x) = x^6$	1.5	
$f(x) = x^7$	.0	

2

$f(x)$	T	Value
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