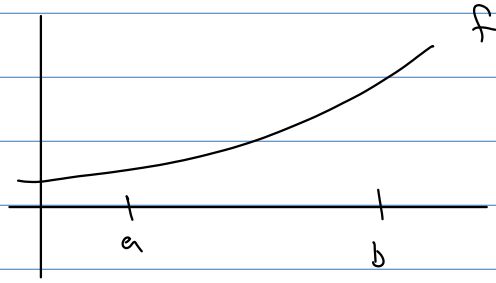
Midpoint Rule

Use the value at :



$\int_a^b f(x) =$

$x_1 =$ $\omega_1 =$

To determine accuracy integrate over :

Exact : $\int_{-h/2}^{h/2} ($ $) dx$

$=$

Approximate : $\int_{-h/2}^{h/2} f(x) \approx$

Local truncation error :

$e =$ $-$ $=$

Global error : $E \sim$ $=$ $=$