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```
clear all;format long;format compact;

d = myderivative(@(x) sin(x),pi/4,0.1)

    d =
    0.577320817064314

d = myderivative(@(x) sin(x),pi/4,0.01)

    d =
    0.654282320782922

d = myderivative(@(x) sin(x),pi/4,0.001)

    d =
    0.689138203198605

d = myderivative(@(x) exp(x^2),3,1)

    d =
    4.900946763733080e+04

d = myderivative(@(x) exp(x^2),3,0.001)

    d =
    4.863090978657829e+04

d = myderivative(@(x) (x+3)/(x-2),-4,0.01)

    d =
    -0.147058823529412

d = myderivative(@(x) (x+3)/(x-2),-4,0.0001)

    d =
    -0.140350877192982

d = myleftsum(@(x) sin(x),0,pi,4)

    d =
    1.896118897937040

d = myleftsum(@(x) sin(x),0,pi,10)

    d =
    1.983523537509454

d = myleftsum(@(x) sin(x),0,pi,100)

    d =
    1.999835503887444

d = myleftsum(@(x) sqrt(1+x^3),2,6,2)

    d =
    22.124515496597098
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d = myleftsum(@(x) sqrt(1+x^3),2,6,20)

d =
    32.138240551525548

d = myleftsum(@(x) sqrt(1+x^3),2,6,200)

d =
    33.188527012810617

d = myintegral(@(x) x^3+2*x-1,0,4,0.1)

d =
    72.254847645429365

d = myintegral(@(x) x^3+2*x-1,0,4,0.01)

d =
    74.814288641486243

d = myintegral(@(x) x^3+2*x-1,0,4,0.001)

d =
    75.621495844875383

d = myintegral(@(x) 1/(1+x^3),0,2,0.1)

d =
    1.308730158730159

d = myintegral(@(x) 1/(1+x^3),0,2,0.001)

d =
    1.118624045462540

d = myintegral(@(x) (x+x^2)^(1/3),1,4,0.1)

d =
    5.743688999098588

d = myintegral(@(x) (x+x^2)^(1/3),1,4,0.01)

d =
    5.974918449913629

d = myintegral(@(x) (x+x^2)^(1/3),1,4,0.00001)

d =
    6.107267101508549
```

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