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DEPT: MECHANICAL ENGINEERING

MATRIC: 16/ENG06/038

COURSE: ENG 281

commandwindow

clear

clc

syms x

y = 5\*(sin(5\*x))^5

d = 3.142\*y^2

t = int(d,0,180)

g = double(t)

y =

5\*sin(5\*x)^5

d =

(1571\*sin(5\*x)^10)/20

t =

(4713\*sin(3600))/5120 - (32991\*sin(1800))/10240 - (4713\*sin(5400))/20480 + (1571\*sin(7200))/40960 - (1571\*sin(9000))/512000 + 890757/256

g =

3.4787e+03

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