Devirsages = f(v) = V4-4U3+3V2-204-100 a= L b= 20 epsilon=0.09 f(1)=1-4+3-20-100 f(1)=-120 (-) f(20)= 136.700 (+) a+6 = 10.5 S(10.5) = 7.545, 3125 (+) a = 1 b = 10.5  $\frac{a+b}{2} = 5.75$ f(5.45) = 216,878  $a = \frac{1}{5}$  b = 5.75  $a = \frac{1}{2}$   $a = \frac{1}{3}$   $a = \frac{1}{3}$ f(3,375)=-157,3167  $b = 5.750 \Rightarrow \frac{a+b}{2} = 4.5625$ f(4.5625)=-75,378 a= 4.5625

5= 5.75 Bu yorten ile devon edildipride 5 gerilim degerinde devir sagisi 5 o lar

VM-4V+3U2-20

V=5 Devir sayisi \$0

Muhammed Ali Soyly 16011131

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SORU-3

 $\frac{\times}{1}$   $\frac{4}{120}$ 1.25 -125.6831.5 -131.6871.75 -137.8712 -149.7462.25 -149.7462.75 -154.6872.75 -156.308

7 -160

a) N=8 i Gin Simpson  $\frac{0.29}{3} \left[ -120 - 160 + 4*(-125, 883) -134.878 -149.7466 -158.308) \right]$  = -285.535

b) Geraek integral hesold -285.6

Bogil Hata ise -285,6-285.535 = -xloo

Bogil Hota. % 0.022

Muhammed Ali SoYLU

16011131

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$$\frac{x}{2}$$
  $\frac{2}{5}$   $\frac{6x}{3}$   $\frac{5}{20}$   $\frac{2^{2}}{6^{2}}$   $\frac{2^{3}}{36}$   $\frac{2^{4}}{6^{6}}$   $\frac{1}{4}$   $\frac{1}{4}$   $\frac{2^{3}}{4}$   $\frac{3^{6}}{6^{2}}$   $\frac{1}{4}$   $\frac{1}{6^{6}}$   $\frac{8}{4}$   $\frac{3}{4}$   $\frac{111}{4}$   $\frac{68}{4}$   $\frac{1}{46}$   $\frac{1}{4}$   $\frac$ 

$$\frac{2}{2} | \frac{x}{2} | \frac{\Delta x}{2} |$$
 $\frac{1}{2} | \frac{1}{2} | \frac{1}{2} |$ 
 $\frac{1}{2} | \frac{1}{2} | \frac{1}{2} |$ 
 $\frac{1}{2} | \frac{1}{2} | \frac{1}{2} |$ 

$$X = f(z) = x_0 + z \cdot \Delta x$$
  
 $X = 2 + 2 \cdot z$   
 $Z = \frac{x - 2}{2}$   
 $X = 9 \Rightarrow z = \frac{9 - 2}{2}$   
 $Z = 3.5$ 

$$\int_{(2)} \int_{0}^{2} f_{0} + \frac{2}{2} \int_{0}^{2$$

 $f(2) = 82^2 + 122 + 3 \rightarrow Ara interpolaryon$ 

$$f(x) = 8\left(\frac{x-2}{2}\right)^2 + 12\left(\frac{x-2}{2}\right) + 3$$

$$f(x) = 8.(3.5)^{2} + 12(2.5) + 3$$

$$f(x) = 143$$