



ii) 
$$\int_{2}^{4} \ln (x-1) dx = \frac{13}{3} (f(2) + 4f(\frac{2+4}{2}) + f(4)$$
  
=  $\frac{1}{3} (0 + 4 \ln 2 + \ln 4)$ 

= WASSANS

= 1.386 units2

Az = A, x 1.085 + 5000

sum of geo proy.

= \$ 18040.52



W= 10x ~

at 4:50 += 5 at t=0

X, =0

at t= 0

at t:5

X = 125.

X2 = 83 %

jet is 413 meteres behind.

t2(4 3t-5)=0

t=0,7½
after 7½ seconds they are some distance