COMPUTER ENGINEERING	
CALCULUS 1 [3/11/2017]	
x Salve just four questions	
1) Show that $\sqrt{16+2x} = 9-x^2$ has at least one real root (Use IVT) (3-x)(3+x)	
real root (Use IVT)	
Give detailed solution and express IVT in details.  Intermediate Value Theorem	1.
2) Show that for any numbers a and b	
the given inequality is the Isinb-smal < (b-a)	
3) $y = ln \frac{1}{\chi^2}$ Determine asymptote(s) of $\chi^2$ given function. (if any)	o de
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+) A particle on y= 2. x3/2 15 approaching	
a) $y = \ln \frac{1}{x^2}$ Defermine asymptote(s) of your function. (if any)  H) A particle on $y = 2 \cdot x^{3/2}$ is approaching origin by the rate of change of 16 m/sec.  Find Min dx when $x = 4m$ .  Rate of change of the distance between the particle and origin $f(x)$	e
then evaluate f (4).	

6) Evalvate Sinx dx

50 min.