Lecturer4

**Some obvious Limits**

(1)If k is constant,then  and 

(2)  ,  ,and ) 

(3) )  , (3) ) ,and (3) ) 

Examples:

Find the following limits

(1)  

هنا نضرب ونقسم في مرافق المقدار لايجاد قيمة الغاية

(2)  

Lecturer4

**Theorems on limits(Calculation Technique)**

1-Uniqueness of limit

If  then L is unique

2-Limit of constant

If f(x)=c, where c is constant then 

3-Obvious limit

If f(x)=x then 

4-Limit of Som

If ……..and ,i=1,2,….,n,then

….

5-Limit of product

If and , i=1,2,….,n,then ……=

6-Limit of Quotient

If and ,and ,then 

