1.y=c y'=0   
2.y=x^a y'=ax^(a-1)  
3.y=a^x y'=a^x lna  
 y=e^x y'=e^x  
4.y=loga(x) y'=loga(e/x)  
 y=lnx y'=1/x  
5.y=sinx y'=cosx  
6.y=cosx y'=-sinx  
7.y=tanx y'=(secx)^2=1/(cosx)^2  
8.y=cotx y'=-(cscx)^2=-1/(sinx)^2  
9.y=arc sinx y'=1/√(1-x^2)  
10.y=arc cosx y'=-1/√(1-x^2)  
11.y=arc tanx y'=1/(1+x^2)  
12.y=arc cotx y'=-1/(1+x^2)  
13.y=sh x y'=ch x  
14.y=ch x y'=sh x  
15.y=thx y'=1/(chx)^2  
16.y=ar shx y'=1/√(1+x^2)  
17.y=ar chx y'=1/√(x^2-1)  
18.y=ar th y'=1/(1-x^2)