(1) $(c)' = 0$, where $c$ is any constant,

(2) $(x^n)' = nx^{n-1}$,

(3) $(\mathrm{e}^x)' = e^x$,

(4) $(a^x) = a^x \ln a$,

(5) $(x)' = 1$,

(6) $\left(\frac{1}{x}\right)' = -\frac{1}{x^2}$,

(7) $(\ln x)' = \frac{1}{x}$,

(8) $(\sin x)' = \cos x$,

(9) $(\cos x)' = -\sin x$,

(10) $(\tan x)' = \frac{1}{\cos^2 x}$,

(11) $(\arcsin)' = \frac{1}{\sqrt{1-x^2}}$,

(12) $(\arccos x)' = \frac{-1}{\sqrt{1-x^2}}$,

(13) $(\arctan x)' = \frac{1}{1+x^2}$.