

15.1

1) $(c)' = 0$

2) $(x)' = 1$

3) $(x^\alpha)' = \alpha x^{\alpha-1}$

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

5) $(\sqrt{x})' = \frac{1}{2\sqrt{x}}$

6) $(\eta\mu x)' = \sigma\upsilon\nu x$

7) $(\sigma\upsilon\nu x)' = -\eta\mu x$

8) $(\varepsilon\varphi x)' = \frac{1}{\sigma\upsilon\nu^2 x}$

9) $(\sigma\varphi x)' = -\frac{1}{\eta\mu^2 x}$

10) $(e^x)' = e^x$

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

12) $(\log x)' = \frac{1}{x \ln 10}$

13) $(a^x)' = a^x \ln a$