

## 导函数与导数公式表

【例1】求下列函数的导数

$$(1) f(x) = x^{1234} ;$$

$$(2) f(x) = \frac{1}{x} ;$$

$$(3) f(x) = \sqrt{x} ;$$

$$(4) f(x) = \frac{1}{\sqrt{x}} ;$$

$$(5) f(x) = \frac{1}{\sqrt[5]{x^3}} ;$$

$$(6) f(x) = 2^x ;$$

$$(7) f(x) = \frac{1}{2^x} ;$$

$$(8) f(x) = \log_3 2 \cdot \log_2 x .$$