补充题：函数量阶

试用简单函数（如幂级数、指数函数、对数函数）来表示当$\varepsilon \to 0$时函数的量阶

$$(1)\frac{1-\cos\varepsilon}{1+\cos\varepsilon},(2)\frac{\varepsilon^{1/2}}{1-\cos\varepsilon},(3)\sinh^{-1}\varepsilon,(4)\ln\left(1+\frac{\ln(1+2\varepsilon)}{1-2\varepsilon}\right)$$

$$(5)\ln\left(1+\frac{\ln\left[(1+2\varepsilon)/\varepsilon\right]}{1-2\varepsilon}\right),(6)e^{-\cosh\frac{1}{\varepsilon}},(7)\int_0^{\varepsilon}e^{-\zeta^2}d\zeta$$