NAME
asinh, **asinhf**, **asinhl** - inverse hyperbolic sine functions

LIBRARY
Math Library (libm, -lm)

SYNOPSIS
#include <math.h>

double
asinh(*double x*);

float
asinhf(*float x*);

long double
asinhl(*long double x*);

DESCRIPTION
The **asinh**(), **asinhf**(), and **asinhl**() functions compute the inverse hyperbolic sine of the real argument *x*. For a discussion of error due to roundoff, see math(3).

RETURN VALUES
These functions return the inverse hyperbolic sine of *x*.

SEE ALSO
acosh(3), atanh(3), exp(3), math(3)

HISTORY
The **asinh**(), **asinhf**(), and **asinhl**() functions appeared in 4.3BSD, FreeBSD 2.0, and FreeBSD 10.0, respectively.