



Linux Ubuntu 26.04 Manual Pages on command 'sin.3'

\$ man sin.3

sin(3) Library Functions Manual sin(3)

NAME

sin, sinf, sinl - sine function

LIBRARY

Math library (libm, -lm)

SYNOPSIS

```
#include <math.h>

double sin(double x);

float sinf(float x);

long double sinl(long double x);
```

Feature Test Macro Requirements for glibc (see feature_test_macros(7)):

```
sinf(), sinl():

    _ISOC99_SOURCE || _POSIX_C_SOURCE >= 200112L
    || /* Since glibc 2.19: */ _DEFAULT_SOURCE
    || /* glibc <= 2.19: */ _BSD_SOURCE || _SVID_SOURCE
```

DESCRIPTION

These functions return the sine of x, where x is given in radians.

RETURN VALUE

On success, these functions return the sine of x.

If x is a NaN, a NaN is returned.

If x is positive infinity or negative infinity, a domain error occurs, and a NaN is returned.

ERRORS

