

NAME

pow10, pow10f, pow10l – base-10 power functions

SYNOPSIS

```
#define _GNU_SOURCE /* See feature\_test\_macros\(7\)
*/
```

```
#include <math.h>
```

```
double pow10(double x);
```

```
float pow10f(float x);
```

```
long double pow10l(long double x);
```

Link with `-lm`.

DESCRIPTION

These functions return the value of 10 raised to the power x .

Note well: These functions perform exactly the same task as the functions described in [exp10\(3\)](#), with the difference that the latter functions are now standardized in TS 18661-4:2015. Those latter functions should be used in preference to the functions described in this page.

VERSIONS

These functions first appeared in glibc in version 2.1. Since glibc 2.27, the use of these functions in new programs is no longer supported.

ATTRIBUTES

For an explanation of the terms used in this section, see [attributes\(7\)](#).

| Interface | Attribute | Value |
|-----------------------------|---------------|---------|
| pow10(), pow10f(), pow10l() | Thread safety | MT-Safe |

CONFORMING TO

This functions are nonstandard GNU extensions.

SEE ALSO

[exp10\(3\)](#), [pow\(3\)](#)

COLOPHON

This page is part of release 4.16 of the Linux *man-pages* project. A description of the project, information about reporting bugs, and the latest version of this page, can be found at <https://www.kernel.org/doc/man-pages/>.