

**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/>.