



## ***Linux Ubuntu 26.04 Manual Pages on command 'remquo.3'***

### ***\$ man remquo.3***

remquo(3)                      Library Functions Manual                      remquo(3)

#### NAME

remquo, remquof, remquol - remainder and part of quotient

#### LIBRARY

Math library (libm, -lm)

#### SYNOPSIS

```
#include <math.h>

double remquo(double x, double y, int *quo);

float remquof(float x, float y, int *quo);

long double remquol(long double x, long double y, int *quo);
```

Feature Test Macro Requirements for glibc (see feature\_test\_macros(7)):

```
remquo(), remquof(), remquol():
    _ISOC99_SOURCE || _POSIX_C_SOURCE >= 200112L
```

#### DESCRIPTION

These functions compute the remainder and part of the quotient upon division of  $x$  by  $y$ . A few bits of the quotient are stored via the `quo` pointer. The remainder is returned as the function result.

The value of the remainder is the same as that computed by the `remainder(3)` function.

The value stored via the `quo` pointer has the sign of  $x / y$  and agrees with the quotient in at least the low order 3 bits.

For example, `remquo(29.0, 3.0)` returns `-1.0` and might store `2`. Note that the actual quotient might not fit in an integer.

#### RETURN VALUE

If y is zero, and x is not a NaN, a domain error occurs, and a NaN is returned.

remquo(3)