acosh
asinh
atanh

Six functions in this group correspond to the C89 functions `cosh`, `sinh`, and `tanh`. The new functions are `acosh`, which computes the arc hyperbolic cosine; `asinh`, which computes the arc hyperbolic sine; and `atanh`, which computes the arc hyperbolic tangent.

Exponential and Logarithmic Functions

```
float expf(float x);                                    see exp
long double expl(long double x);                        see exp

double exp2(double x);
float exp2f(float x);
long double exp2l(long double x);

double expm1(double x);
float expm1f(float x);
long double expm1l(long double x);

float frexpf(float value, int *exp);                    see frexp
long double frexpl(long double value,
                   int *exp);                           see frexp

int ilogb(double x);
int ilogbf(float x);
int ilogbl(long double x);

float ldexpf(float x, int exp);                         see ldexp
long double ldexpl(long double x, int exp);             see ldexp

float logf(float x);                                      see log
long double logl(long double x);                          see log

float log10f(float x);                                  see log10
long double log10l(long double x);                      see log10

double log1p(double x);
float log1pf(float x);
long double log1pl(long double x);

double log2(double x);
float log2f(float x);
long double log2l(long double x);

double logb(double x);
float logbf(float x);
long double logbl(long double x);

float modff(float value, float *iptr);                  see modf
long double modfl(long double value,
                  long double *iptr);                   see modf
```