setlocale Set Locale <locale.h> char *setlocale(int category, const char *locale); Sets a portion of the program's locale. category indicates which portion is affected. locale points to a string representing the new locale. If locale is a null pointer, returns a pointer to the string associated with cate-Returns gory for the current locale. Otherwise, returns a pointer to the string associated with category for the new locale. Returns a null pointer if the operation fails. 25.1 setvbuf Set Buffer <stdio.h> int setvbuf(FILE * restrict stream, char * restrict buf, int mode, size t size); Changes the buffering of the stream pointed to by stream. The value of mode can be either _IOFBF (full buffering), _IOLBF (line buffering), or _IONBF (no buffering). If buf is a null pointer, a buffer is automatically allocated if needed. Otherwise, buf points to a memory block that can be used as the buffer; size is the number of bytes in the block. Note: setvbuf must be called after the stream is opened but before any other operations are performed on it. Zero if the operation is successful. Returns a nonzero value if mode is invalid or Returns the request can't be honored. 22.2 signal Install Signal Handler <signal.h> void (*signal(int sig, void (*func)(int)))(int); Installs the function pointed to by func as the handler for the signal whose number is sig. Passing SIG_DFL as the second argument causes default handling for the signal; passing SIG IGN causes the signal to be ignored. A pointer to the previous handler for this signal; returns SIG ERR and stores a Returns positive value in errno if the handler can't be installed. 24.3 signbit Sign Bit (C99) <math.h> int signbit (real-floating x); macro A nonzero value if the sign of x is negative and zero otherwise. The value of x may Returns be any number, including infinity and NaN. 23.4 sin Sine <math.h> double sin(double x); sinf float sinf(float x); long double sinl(long double x); sinl Sine of x (measured in radians). Returns 23.3 sinh Hyperbolic Sine <math.h>

double sinh(double x);