sqrt() ?

For using sqrt() you have to include header file using any one method.

1. #include<cmath>

2. #include<math.h>

What is the data type of expression?

The data type of an expression will be same as the largest data type use in expression.

example:

int x=10;

float y=3;

float z=x/y; the result will be in float coz y is float.

Typecasting

If you want to change the data type of result of expression use type casting.

example:

int x=10, y=3;

float z;

z=x/y; // both x and y are int type so the result will also be int. So z=3. Even though z is float.

 z=(float)x/y; //then result will be obtained in float so z=3.333.

Left and Right side of =

The data types of left and right hand side of expression are not related.

Example:

int x=10,y=3; // here both x and y are integer type

float z=x/y; // here z is float but the result of x/y will be double. Thought z is float.

float z=(float)x/y; // you have to type cast to get the result in float.