```cpp
#include <iostream>
#include <typeinfo>
#include <cmath>

using namespace std;

double cal_retail(double whole_sale_price, double stock_percentage){
    double decimals{0};
    double retail_price{0};

    if (whole_sale_price < 0 || stock_percentage < 0){
        cout << "Sale price or markup cannot be less than $0 and %0" << endl;
        exit(EXIT_FAILURE);
    }else if (whole_sale_price == 0 || stock_percentage == 0){
        cout << "Values could not be calculated. " << endl;
        exit(EXIT_SUCCESS);
    }

    if (modf(stock_percentage, &decimals) == 0.0){
        stock_percentage /= 100;
    }

    retail_price = whole_sale_price + (whole_sale_price * stock_percentage);

    return  retail_price;
}

int main() {
    double whole_pri, markup_pr;
    cout << "Enter the price of the whole sale item: ";
    cin >> whole_pri;
    cout << "Enter the percentage of the markup: ";
    cin >> markup_pr;
    double retail_price {cal_retail(whole_pri, markup_pr)};
    printf("Price of whole sale: $%.2f \n", whole_pri);
    printf("Percentage of markup: %%%.0f \n", markup_pr);
    printf("Price of retail: $%.2f \n", retail_price);

    return 0;
}
```