

math.cpp

```
float potencia(float b, int exp)
{
    float r = b;
    for(int i=1;i<exp;i++)
    {
        r *=b;
    }
    return r;
}

int fatorial(int a){
    int fatorial = 1;
    for(int r = a; r>0 ; r--){
        fatorial *= r;
    }
    return fatorial;
}

float funcao (float b){
    float x = b;

    float y;

    y = fatorial(5)*potencia(x,3) +
    fatorial(4)*potencia(x,2)+fatorial(3)*x + fatorial(2);

    return y;
}
```