1.O(nlogn)

2.O(n2)

3.

double function(double a[ ], int n, double x0)  
{

double result = 0.0; //1次

double power\_of\_x = 1.0; // 初始 x0 = 1 1次

for (int i = 0; i <= n; i++) { //n+1次

result += a[i] \* power\_of\_x; // 累加 a[i] \* xi

power\_of\_x \*= x0; // 更新 power\_of\_x 为 xi+1

}

return result; //1次

}

时间复杂度为O(n)