

```
#include <bits/stdc++.h>
```

```
#define endl '\n'
```

```
using namespace std;
```

```
typedef long long ll;
```

```
typedef unsigned long long ull;
```

```
typedef long double ld;
```

```
int main()
```

```
{
```

```
    cout << "Nhap gia tri cua n va R : " ;
```

```
    ll n ; cin >> n ;
```

```
    double R ; cin >> R ;
```

```
    double a[n] , b[n];
```

```
    for(ll i = 0 ; i < n ; i++)
```

```
    {
```

```
        cin >> a[i] ;
```

```
        cin >> b[i] ;
```

```
    }
```

```
double sum = 0 , res = 0;
```

```
int ans = 0;
```

```
for(int i = 0 ; i < n ; i++)
```

```
{
```

```
    double s = sqrt(pow(a[i] , 2) + pow(b[i] , 2));
```

```
    if(s < R) ans++;
```

```
    sum += s;
```

```
}
```

```
cout << "So diem nam trong duong tron ban kinh R la : " << ans << endl;
```

```
cout << "Tong khoang cach cua cac diem ve goc toa do la : " << sum << endl;
```

```
for(int i = 0 ; i < n - 1 ; i++)
```

```
{
```

```
    for(int j = i + 1 ; j < n ; j++)
```

```
    {
```

```
        res += sqrt(pow (a[i] , 2) + pow(b[i] , 2));
```

```
    }
```

```
}
```

```
cout << "Do dai duong gap khuc lan luot di qua cac diem 1 , 2 , 3 ... n la : " << res << endl;
```

```
return 0;
```

```
}
```