```c
// Mr C goes on a diet
#include<stdio.h>

int main(){
        int rad, h;

        scanf("%d", &rad);
        scanf("%d", &h);

        int s_area = (22 * (2 * rad * h + rad * rad)) / 7;
        int volume = (22 * rad * rad * h) / 7;

        printf("%d\n%d", s_area, volume);

        return 0;
}
```