**House Painting Algorithm**

1. **Ask for an input for the cost of a square foot**
2. **Ask for length, width, and height of the house.**
3. **Ask for the number of windows.**
4. **Ask for the length and width of the windows**
5. **Ask for the numbers of doors**
6. **Ask for length and width of the doors**
7. **Find the square footage of the peak sides of the house.**
8. **Find the square footage of the normal sides of the house.**
9. **Find the square footage of the windows**
10. **Find the square footage of the doors**
11. **Add the door and window square footage together to find what will not be painted**
12. **Add the peak and normal side square footage together**
13. **Subtract the sum of the window and door square footage from the sum of the normal and peak side square footage to find the total paintable surface area.**
14. **Multiply the cost per square foot by the total paintable surface area to find the estimated cost.**