House Painting Algorithm

1. Input width of house, store as double houseWidth
2. Input length of house, store as double houseLength
3. Input height of house, store as double houseHeight
4. Input the number of windows, store as double numOfWindows
5. Input width of window, store as double windowWidth
6. Input length of window, store as double windowLength
7. Input the number of doors, store as double numOfDoors
8. Input width of the doors, store as double doorWidth
9. Input length of the doors, store as door double doorLength
10. Input the cost per square foot, store as double painterCostPerSqrFoot
11. Calculate the square foot per peak side using the formula, store as double peakSide
    1. houseWidth\*houseLength+(0.5\*(houseLength\*(houseHeight-houseWidth)))
12. Calculate the square foot per normal side, store as double normalSide
13. Calculate total house square foot, store as double totalHouseSide
    1. 2\*peakSide + 2\*normalSide
14. Calculate window square foot, store as double windowArea
    1. Widow’s length times width times number of windows
15. Calculate doors square foot, store as double doorArea
    1. Door’s length times width times the number of doors
16. Calculate the total square foot of the house, store as double paintableArea
    1. totalHouseSize with the door and window areas subtracted
17. Calculate the total cost, store as double totalCost
    1. paintableArea times painterCostPerSqrFoot
18. Output the phrase Your total paintable surface area is paintableArea square feet
19. Output the phrase Your estimate is totalCostdollars.