House Painting algorithm

Ask the user to please enter the cost per square foot

Ask the user to please enter the length of the base of the house

Ask the user to please enter the width of the height to the edge of the roof

Ask the user to please enter the height to the peak of the roof from the ground

Ask the user for the number of windows

Ask the user to please enter the length of all windows from the bottom to the top

Ask the user to please enter the width of a door from one side to the other

Ask the user for the number of doors

Ask the user to please enter the length of all doors from the bottom to the top

Ask the user to please enter the width of all doors from one side to the other

Calculate the square feet of the sides without a peak side = houseWidth * houseLength

Calculate the square feet for the sides with a peak sidePeak = houseWidth * houseLength + .5*(houseLength*(houseHeight-houseWidth)

Calculate the square feet of the doors doorSquareFt = numDoor*(doorLength*doorHeight)

Calculate the square feet of the windows winSquareFt = numWin*(winLength*winHeight)

Calculate the square feet of the house without doors or windows houseNoWinODoor = 2(side + sidePeak)

Calculate the square feet of the house with doors and windows totalPaintArea = houseNoWinODoor-(doorSquareFt + winSquareFt)

Calculate the estimated amount of money it will cost to paint the house

howMuch = totalPaintArea * costSquareFt

Display the total paintable surface area

Display the estimated amount of money it will cost