MartianHouses.java Pseudocode

Create a Scanner class object called input

String answer = “yes”;

WHILE LOOP---- condition (answer.compareTo(“yes”) == 0)

Print “Enter the settler’s name:”

Set String variable name to input.nextLine(); (to take in name)

Print “Enter the length of a side of the house:”

Set double variable s to input.nextDouble(); (this is the s that will be used in the formula)

Set double variable floorRoofArea to 2 \* Math.pow(s,2) \* (1 + Math.pow(2, .5)

Set double variable outerWallsArea to 8 \* 12 \* s

Set double variable surfaceArea to floorRoofArea + floorRoofArea + outerWallsArea

Set double totalCost to 14.50 \* surfaceArea

Print name + “ has a house surface area of “ + surfaceArea + “ and cost of “ + totalCost

Print “Would you like to enter another house? Enter no to exit.”

answer = input.nextLine().trim(); //if no is inputted, it will end the loop

END WHILE LOOP