## Write algorithm for Lab1 here.

## Remember to follow the rules of what makes a good algorithm from Notes #2.

Algorithm

Problem zee

Ask user to input hill type

Ask user Input speed

Height = 0

Points per meter = 0

Par = 0

1. You need to set constants
2. There are 3 constants (Height, , Points per meter, and par). These three constants can give you 2 different hill types using if statements.
3. If hill\_type =”Normal”
4. Height = 46
5. Points per meter = 2
6. Par = 90
7. If hilltype = “Large”
8. Height = 70
9. Points per meter = 1.8
10. Par = 120
11. User input
12. User is prompted to input
13. Is it a “normal” or “large” hilltype
14. What is the speed of the jumper
15. Distance calculation, time in air calculation, points calculation
16. is based off of the user input gotten in previous section
17. Time in air is calculated by sqrt((2\*height)/9.8)
18. Distance travled is calculated by jumper’s speed \* time in the air
19. 60 + (distance - par)\*points\_per\_meter
20. Output
21. Program is going to give a response based on if statements
22. Display distance
23. Display Points
24. If(points >=61):

display (“Great job for doing better than par!”)

1. If(points <= 10)

Display What happened?? Or Sorry you didn’t go very far