## Write algorithm for Lab1 here.

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

Algorithm

Purpose: This code

Equations Used:

Normal height:

* air\_time = math.sqrt ((2\*normal\_height)/9.8)
* distance = speed\*air\_time
* points = 60 + (distance – normal\_par)\*normal\_pm

Large Height:

* air\_time = math.sqr((2\*large\_height)/9.8)
* Distance = speed\*air\_time
* Points = 60 + (distance – large\_par)\*large\_pm

1. Create constants for normal hill height

* normal\_height = 46
* normal\_pm = 2
* normal\_par = 90

1. Create constants for large hill height

* large\_height = 70
* large\_pm = 1.8
* large\_par = 120

1. Prompt user to enter the size of the hill and give them the option of large or normal
2. Prompt user to input speed
3. If hill type is normal use equations for normal hill type.
4. If hill type is large use equations for large hill type.
5. Output “The distance you travelled would be” then output distance next to it
6. Ouput the amount of points you’d earn

Un dibujo de un pizarrón blanco

Descripción generada automáticamente con confianza baja