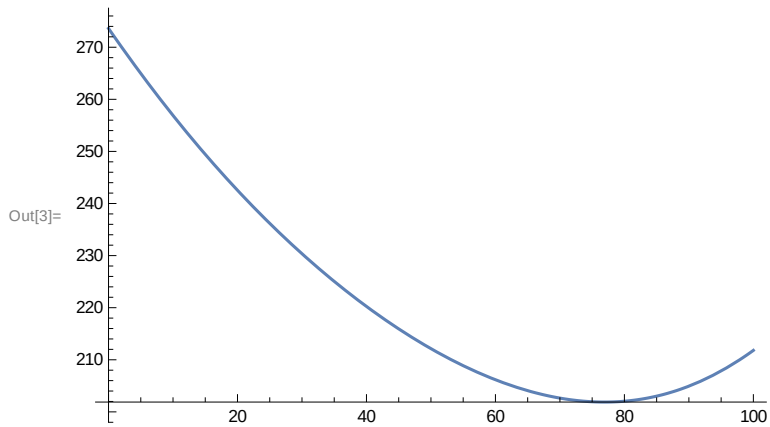


In[1]:= **L = 100**

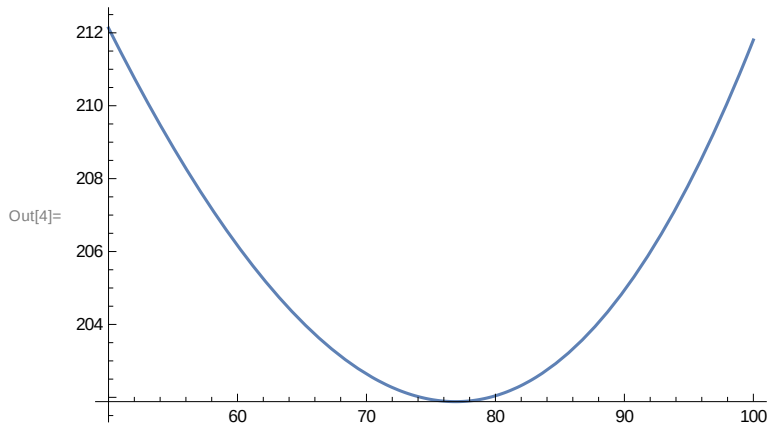
Out[1]= 100

In[2]:= **t[x_] := Sqrt[(L/2)^2 + x^2] + 2 * Sqrt[(L/2)^2 + (L - x)^2]**

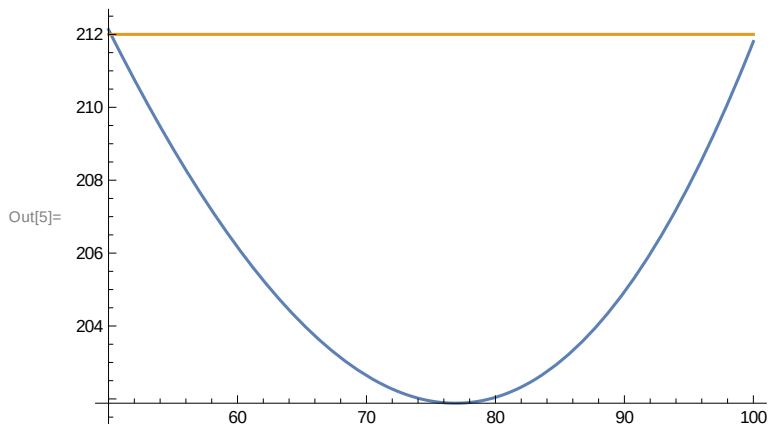
In[3]:= **Plot[t[x], {x, 0, L}]**



In[4]:= **Plot[t[x], {x, L/2, L}]**

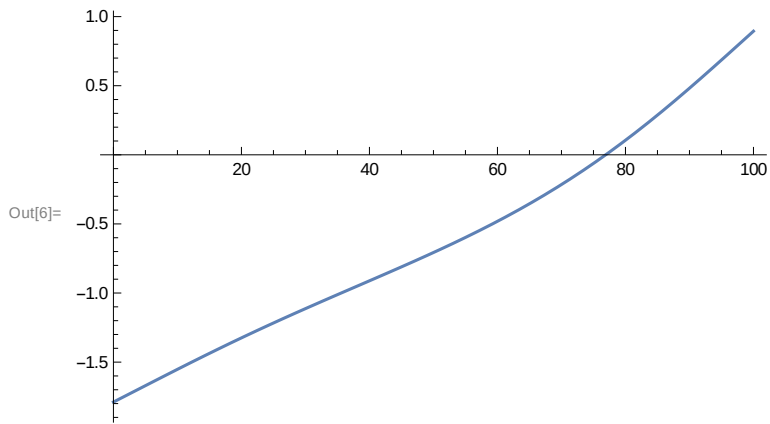


In[5]:= **Plot[{t[x], 212}, {x, L/2, L}]**



(* Vemos en la grafica anterior que es
ligeramente mejor opcion ir por L que por L/2*)

```
In[6]:= Plot[t'[x], {x, 0, L}]
```



```
In[9]:= NSolve[t'[x] == 0, x]
```

```
Out[9]= {{x -> 76.9132}}
```