Name:_____   Date:_____

Homework sheet: Alg2H
Relations, Functions, Domain and Range

1. Given the equation

$$y = |x - 1| \, ,$$

complete the below table, graph, domain and range, and whether the equation describes a function.

| X	y
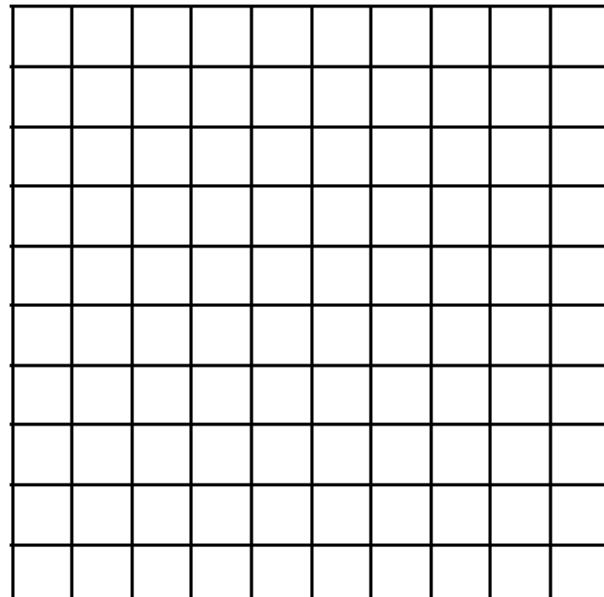
Domain:_____

Range:_____

Function:_____

2. Given the equation

$$y = -2 + \sqrt{16 - x^2} \,,$$

complete the below table, graph, domain and range, and whether the equation describes a function.

x	y
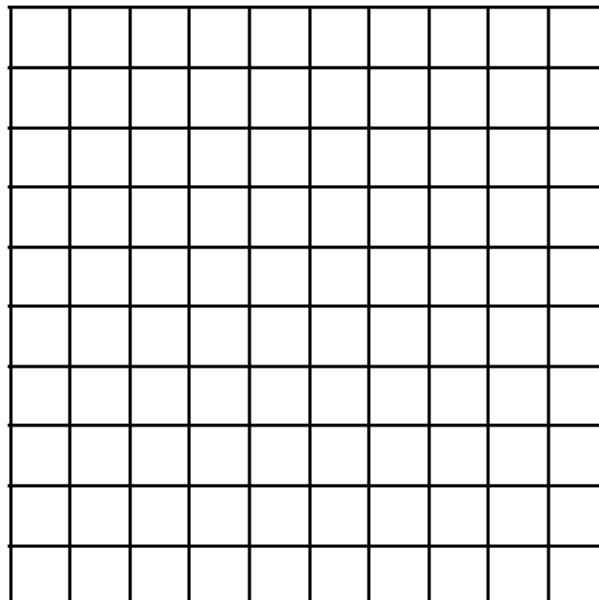
Domain:_____

Range:_____

Function:_____

3. Given the equation

$$h(t) = 200 + 96 \cdot t - 16 \cdot t^2 ,$$

and the Domain

$$t \in [0,8]$$

complete the below table, graph, range, and whether the equation describes a function.

t	H
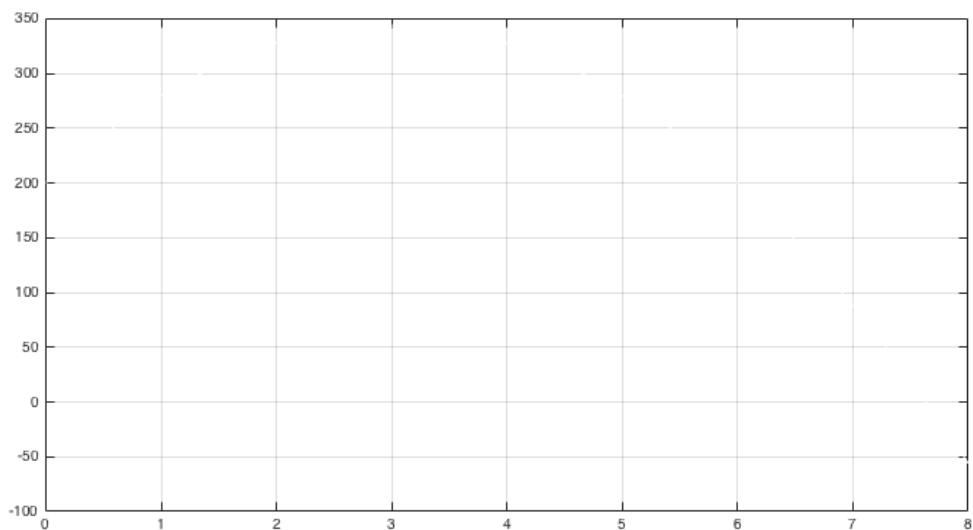
Domain:____$t \in [0,8]$____

Range:_____

Function:_____

==== End ====