

Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Homework sheet: Alg2H

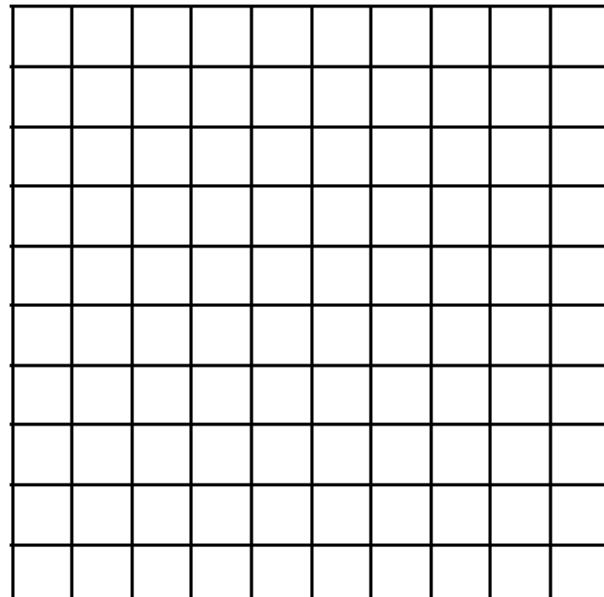
## Relations, Functions, Domain and Range

1. Given the equation

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

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

A blank Cartesian coordinate system with a horizontal x-axis and a vertical y-axis intersecting at the origin.



Domain:

Range: \_\_\_\_\_

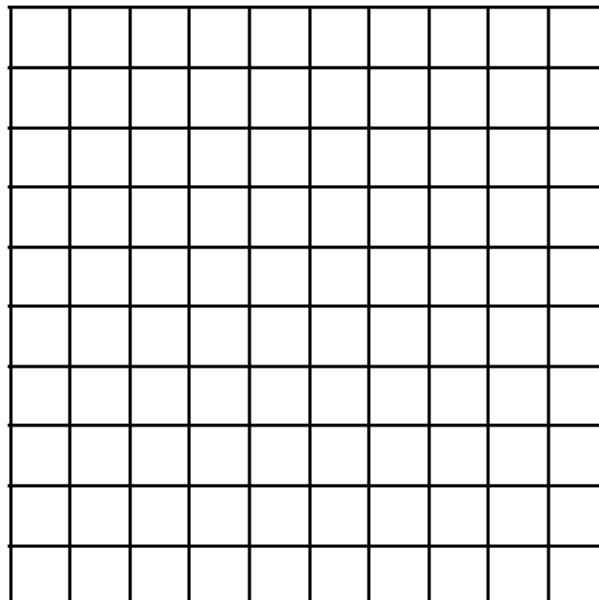
## Function:

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.

A blank Cartesian coordinate system with a horizontal x-axis and a vertical y-axis intersecting at the origin.



Domain:

Range:

## Function:

3. Given the equation

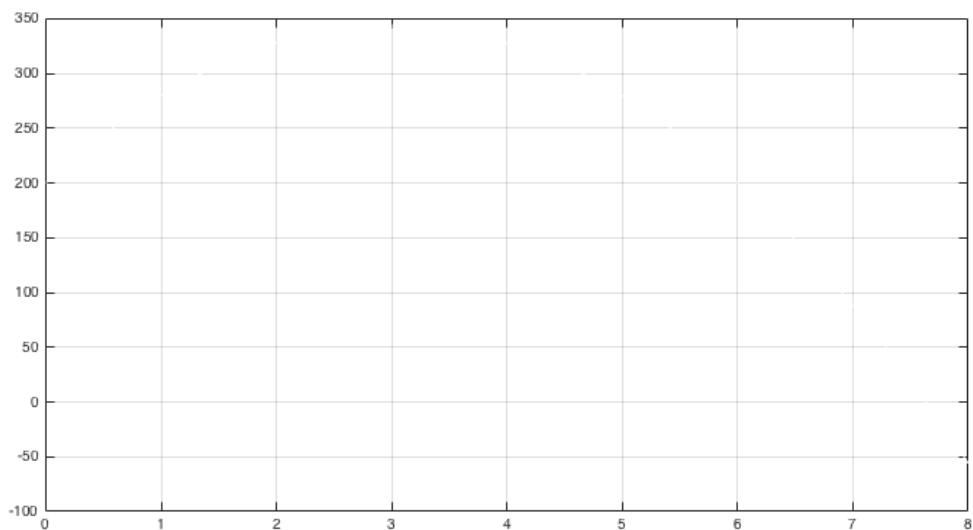
$$h(t) = 200 + 96 \cdot t - 16 \cdot t^2 ,$$

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 ===