M10 - 6.1 - Linear/Continuous Notes

Table of Values (Linear/Non-Linear)



Graph (Linear/Non-Linear)(Continuous/Discrete)





Linear

Continuous: Points are connected





Information: (Continuous/Discrete)

Continuous

Walking to school Filling a cup with water

The points can be connected because you are at each point throughout time.

Discrete

Counting the weight of apples Counting number of Humans

The point not connected because you cannot have half an apple* or half a human.

Linear/Non-Linear Make a table of values or graph information and see.

Equations (Linear/Non-Linear)

Linear **Non-Linear** If the equation is degree/exponents 0 or 1 $y = x^2$ $y^2 + x^2 = 1$ $y = x^3 - 2x + 4$ 2y + 3x - 4 = 0y = 3x + 1