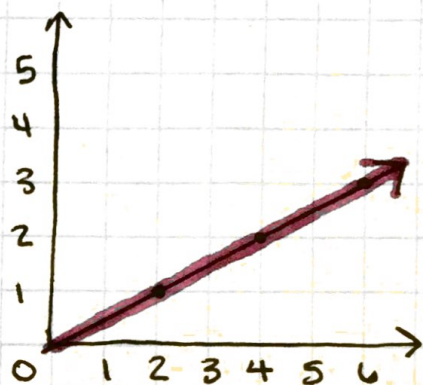
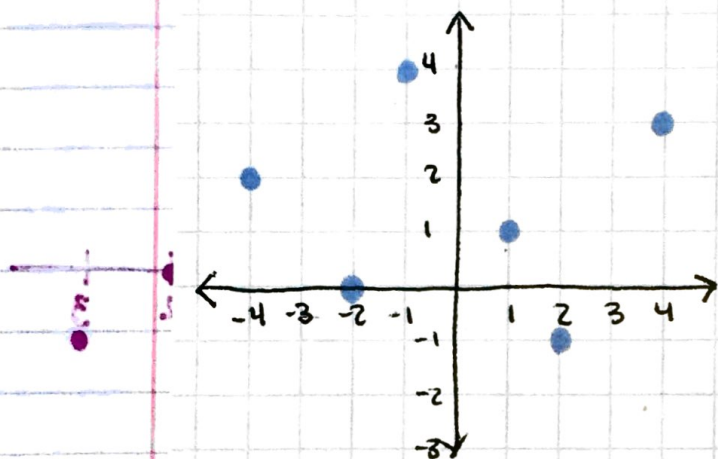


# Discrete vs. Continuous

Functions can be Discrete or Continuous

**Discrete**: values of the set are distinct and separate

**Continuous**: values can be anything within the interval



Data is usually **counted**

Data is usually **measured**  
(ruler, stopwatch, etc)

Graph has **separate** points

Graph has **connected** points

Domain is only **certain** points  
(like integers + whole numbers)

Domain is **any** point in the interval

Change happens **at once**

Change happens **continuously**

# of people in class  
# of tv sets in a house

height of a person  
time it takes to do a task