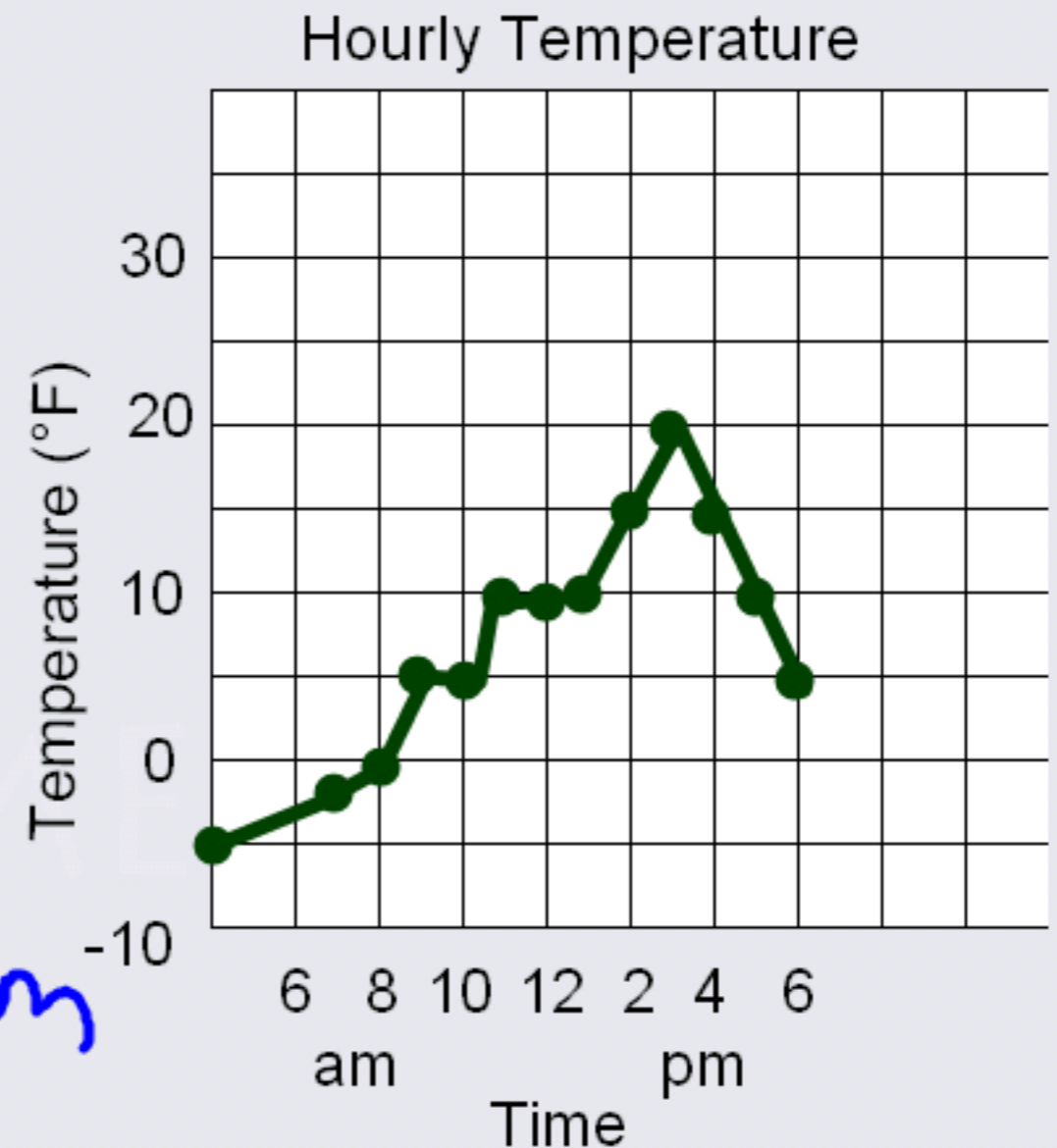


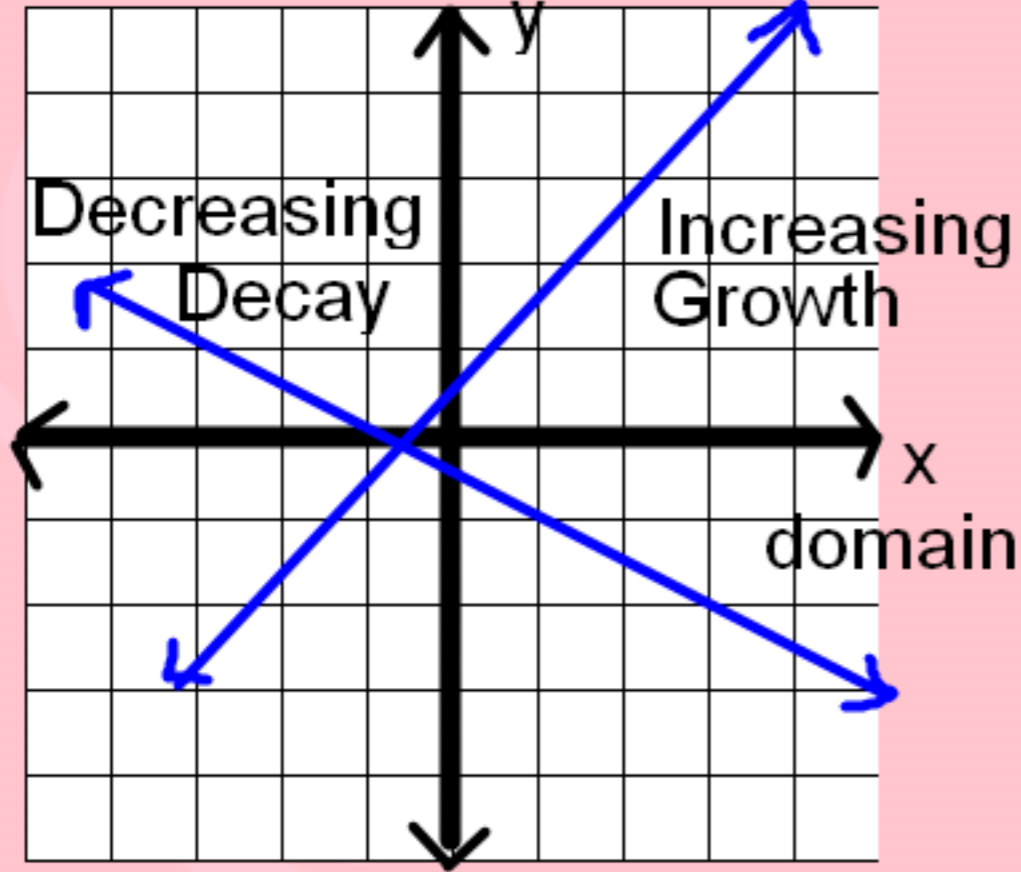
## Warm-up

1. What is the temperature at 6 AM?
2. Between what hours is the temperature  $10^{\circ}\text{F}$ ?
3. At what time did the temperature start to fall?
4. What is the temperature at 6 PM?

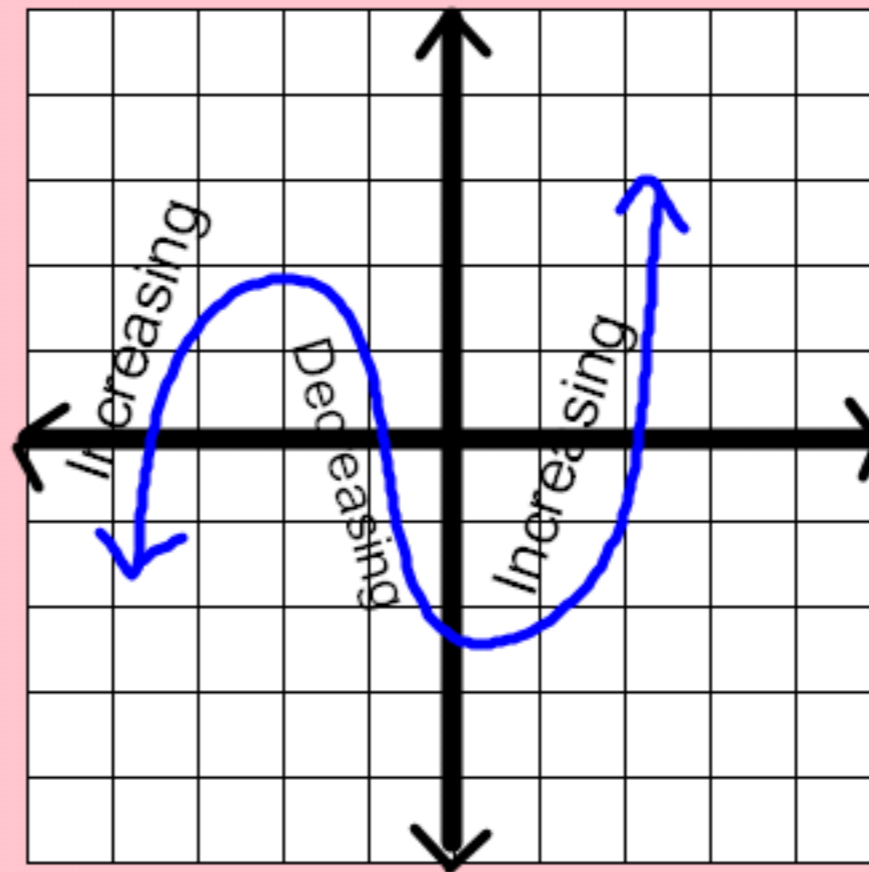
range  
 $-5 \leq y \leq 20$   
domain  
 $6 \text{ am} \leq x \leq 6 \text{ pm}$



# 2-1 Functions and Graphs



Linear Graph



Non-linear graph

x y

domain range

Increasing

Decreasing

Constant

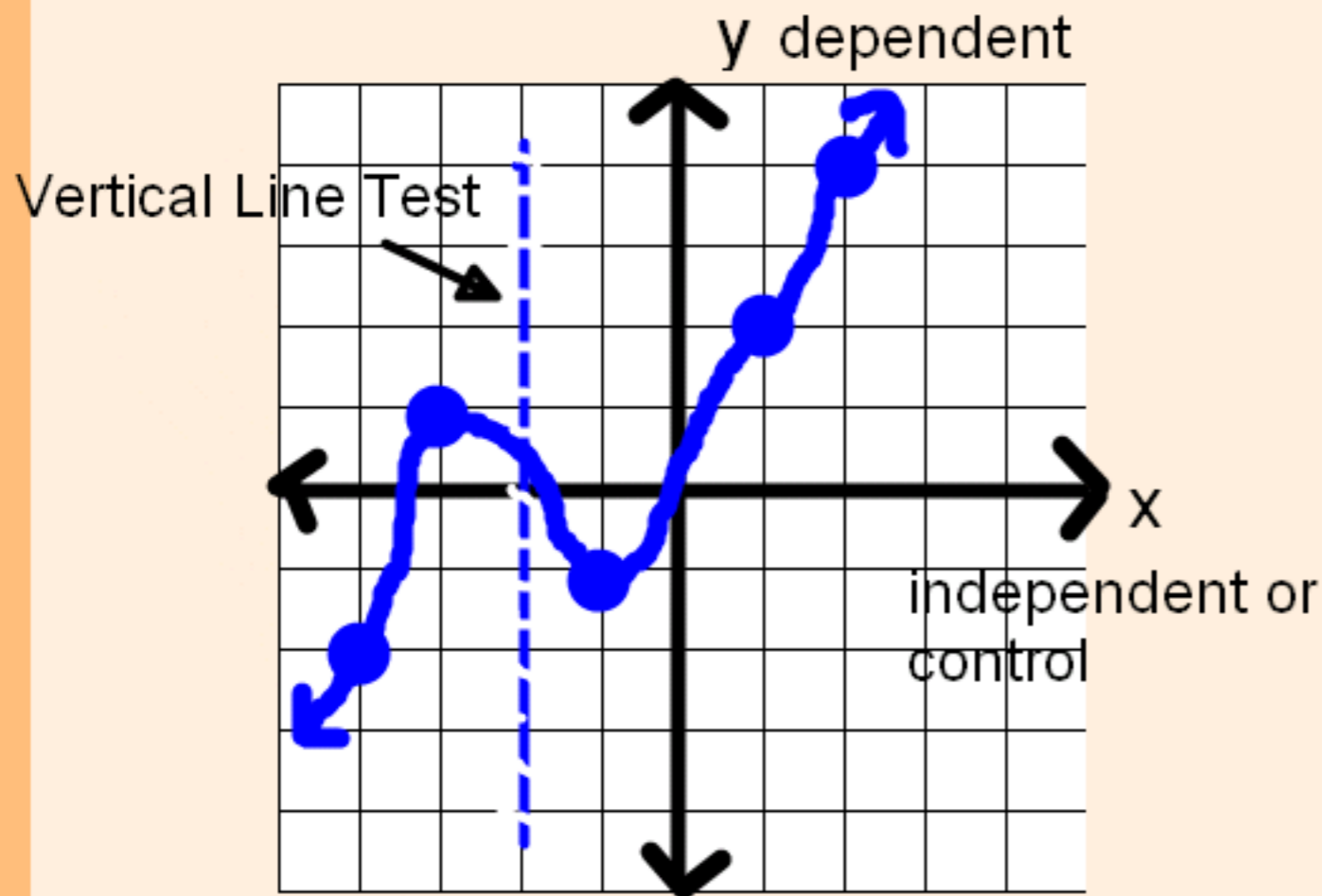
Growth

Decay

Domain and range from warm-up

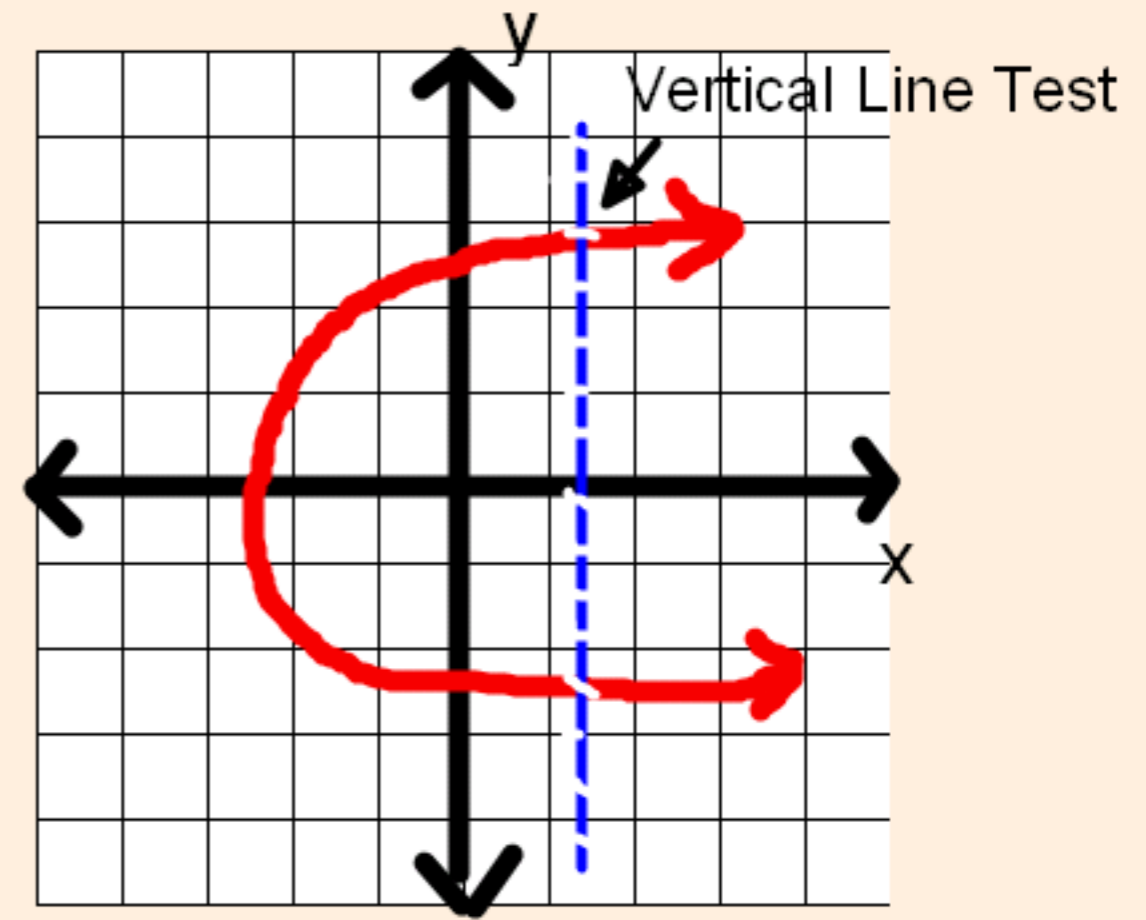
PROMETHEAN

## 2-1 Functions and Graphs



**Function**

Passed the vertical line test



**non-function**

Failed the vertical line test

Crosses graph more than once.