

# Table to draw for warm-up:

Hair Color	Number of Students
Blonde	1
Brown	6
Black	3

# Warm-up

**Note:** You do NOT have to write words in green.

1. What is the average height for the following group?  
**Show your work.**

Name	Height
Juan	170 cm
Bre'nai	165 cm
Sarah	175 cm

**Draw the table from the side board.**

2. What is the total number of students?
3. What percentage of the class has brown hair? **Show your work.**

# Labeling your Notes/Work

**“Lecture Title”**

**Name:**


**Period:**

**Date:**

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# Lecture #2: “Constructing a Graph”

- Recall: “Ordered Pairs”

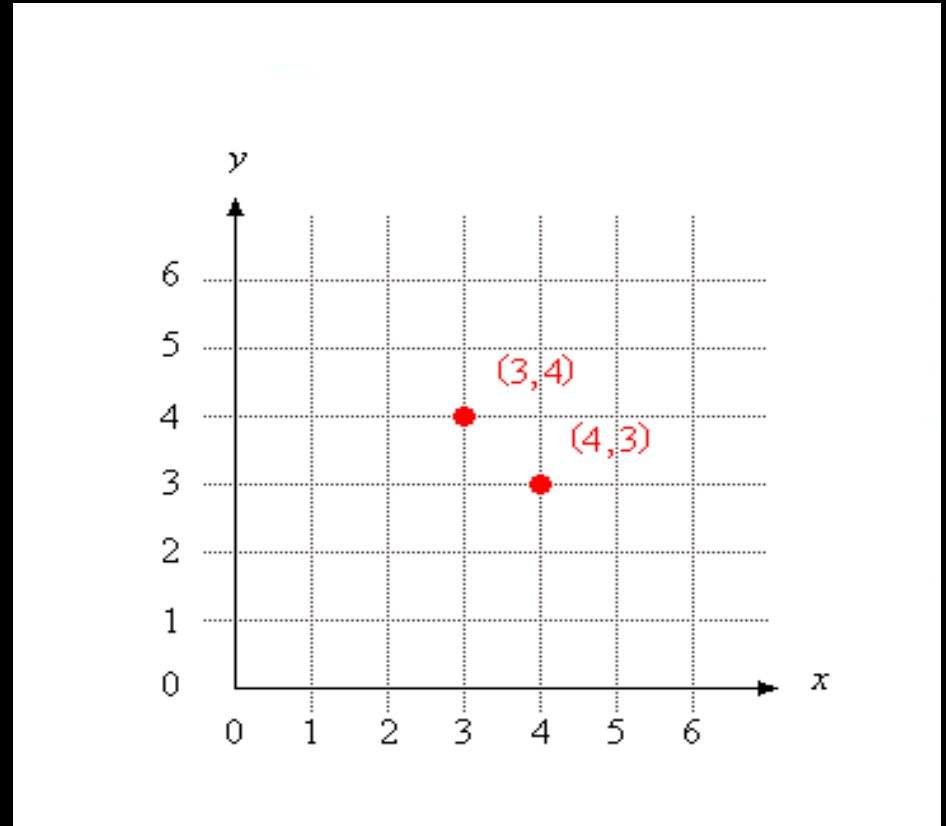
- (X,Y) coordinates

- “Variables”

- X & Y

- variety

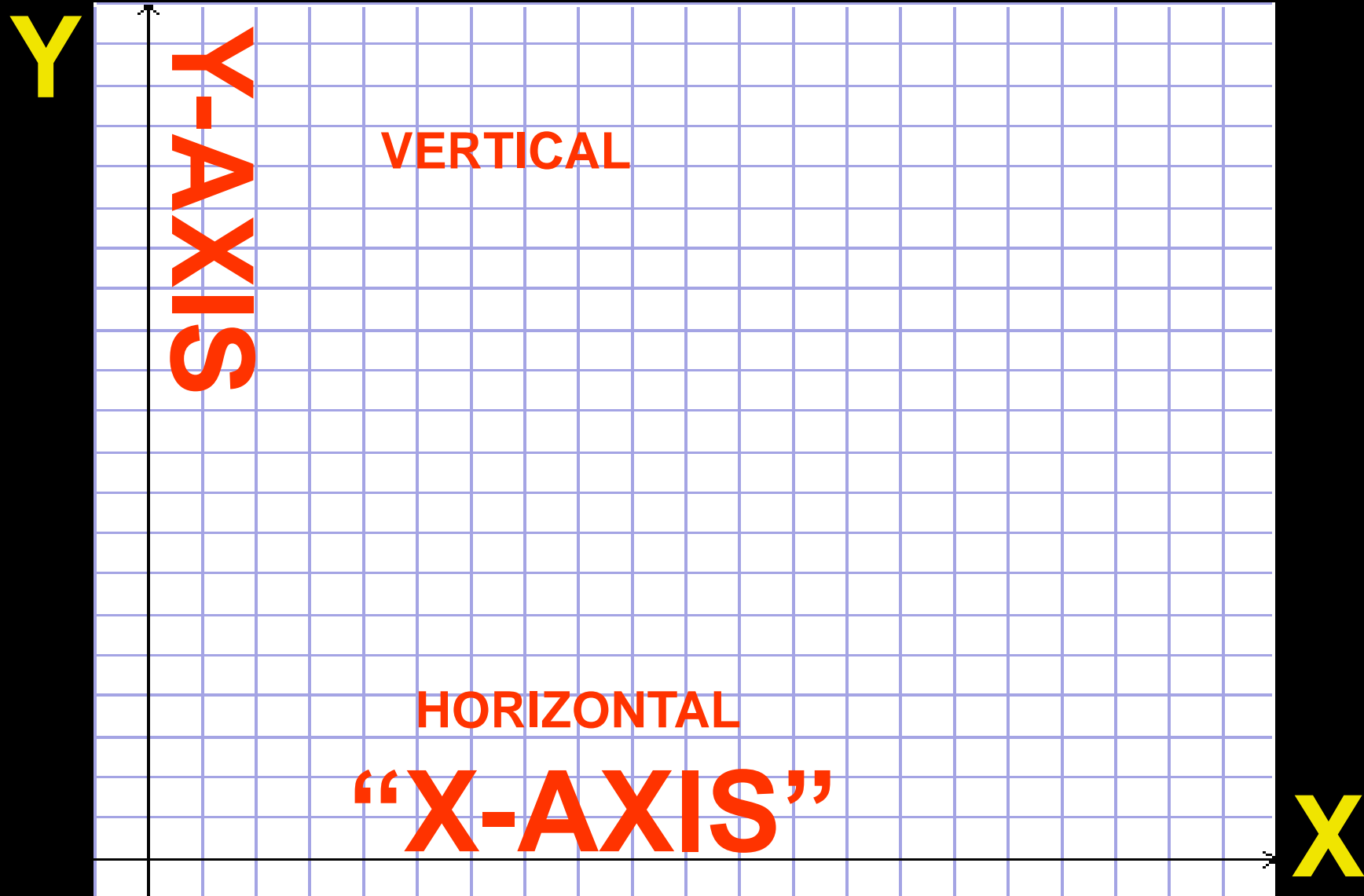
- They “Change”



- Recall: Bar graph can have labels on X-Axis

# LABELING “AXES”

Clearly LABELED graphs are less likely to be read incorrectly!



# Street Race Example:

- GRAPH how FAST a car is going at certain TIMES.
- What are the variables? Units?
- X-axis? Y-axis?



# Labeling the Axes...

## Manipulated Variable

- YOU control
- X-axis
- Horizontal

**TIME**

“Independent variable”

## Responding Variable

- OBSERVED
- Y-axis
- Vertical

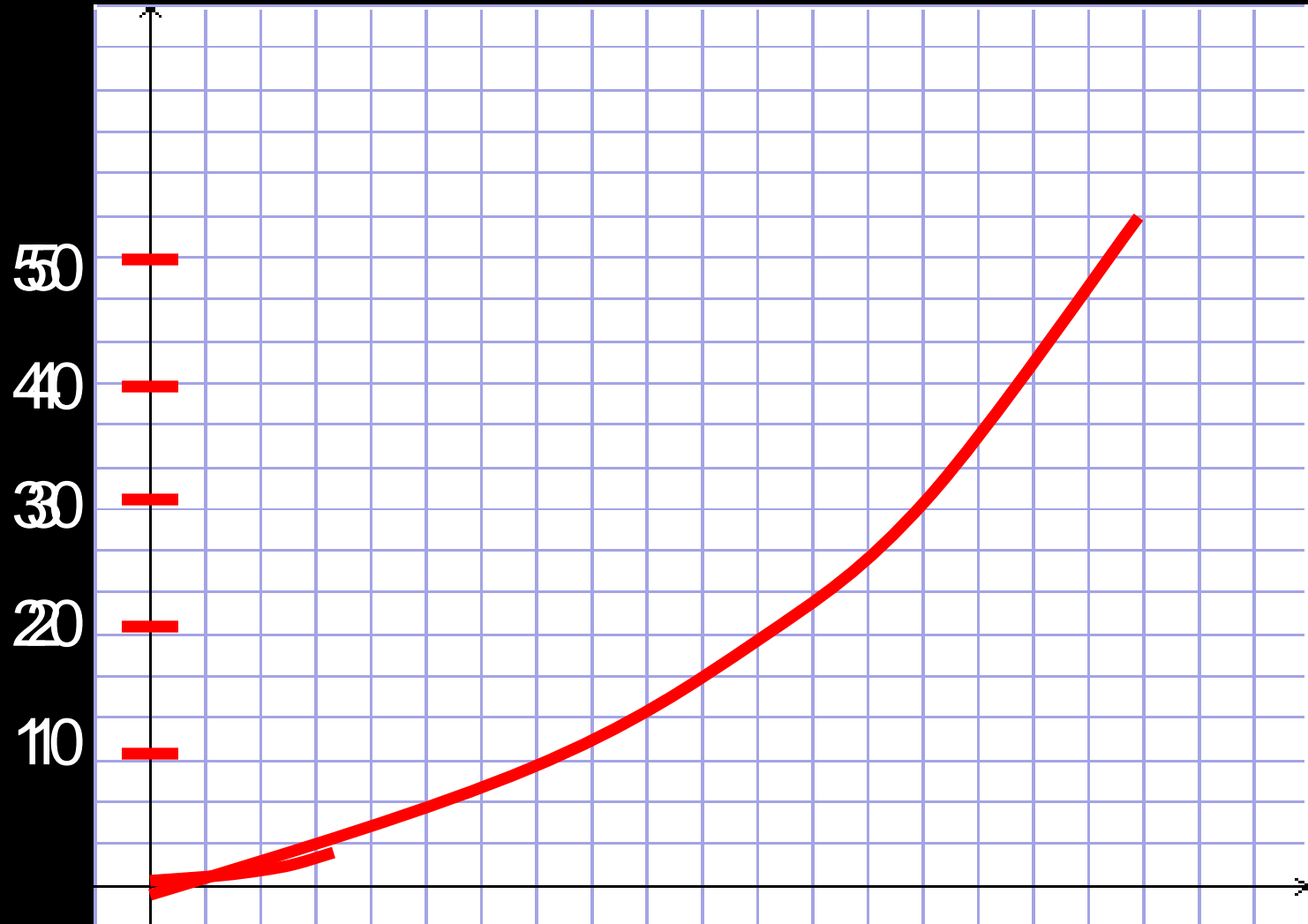
**SPEED**

“Dependent Variable”

# Scale & Size

## Scale

- How much each unit along axis represents.



**SCALE affects GRAPH SIZE!**