#### Warmup 9/(# of letters in "Right now it is the twenty-sixth")

Created by Mr. Lischwe

Which line is steeper? Verify your answer with numbers.

\*\*\*Need whiteboard, marker, eraser in your desk!\*\*\*



#### SLOPE

- SLOPE is <u>how steep a line is</u>.
- Specifically, it is how much the y-value increases for each x.
- Bigger slope number = steeper line!
- A straight line will NEVER CHANGE SLOPE!!!

## How to find Slope from a Graph:

Pick two points, then find the:

change in y

change in x

• (Also known as  $\frac{rise}{run}$  )







#### • Direction matters!!!

- Read the graph left to right.
- Up & to the right (increasing) = positive slope
- Down & to the right (decreasing) = negative slope



The graph shows the average electricity costs (in dollars) for operating a refrigerator for several months. Find the slope of the line. Then tell what the slope represents.



## Find and interpret the slope.

#### **Estimated Maximum Heart Rate**











# On a **NORMAL** graph: (scaled by 1's) • Slope < 1: Not that steep • Slope = 1: "Halfway steep" • Slope >1: Pretty steep

### Homework: Slope Half-Sheet