**Determining Slope from a Graph**

Another word for the “constant rate of change” of a line is **slope.**

**slope** = $\frac{vertical change}{horizontal change}$ = $\frac{rise}{run}$

**Steps to Determining the Slope of a Line:**

Step 1: Determine if the slope is positive (the line is rising) or negative (the line is falling)

Step 2: Find two points on the line

Step 3: Count how much the graph is rising or falling from one point to the next *(change in y)*

Step 4: Count how much the graph is running from one point to the next *(change in x)*

Step 5: Write slope as a rate of change in simplest form: m = $\frac{rise}{run}$

**Examples** Determine the slope of the lines formed by graphing the ordered pairs below.

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| **1.** (1, 2), (3, 6) **[image]** | **2.** (2, 6), (4, 0)[image] |
| **3.** (8, −4), (−6, −4)[image] | **4.** (7, 1), (7. 8)[image] |