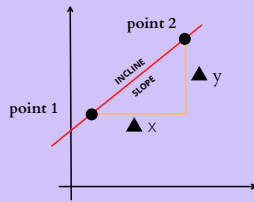# Finding the slope from two points
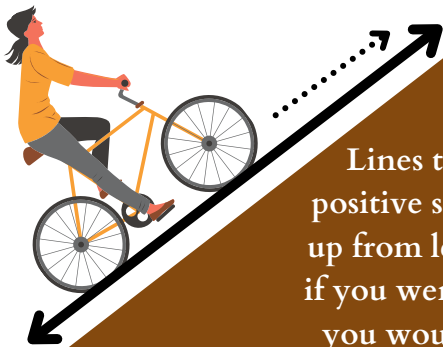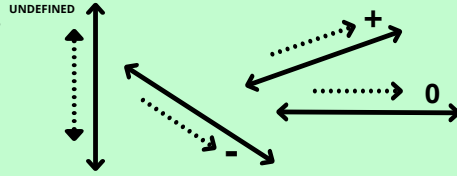
The slope of a line describes how steep it is or the slant of the line.

There are four types of slopes. The slope of a line can be positive , negative , zero or undefined.

We always view a slope from left to right. It's like reading a book.

Lines that have positive slopes, slant up from left to right. if you were on a bike you would have to ride up the positive hill.
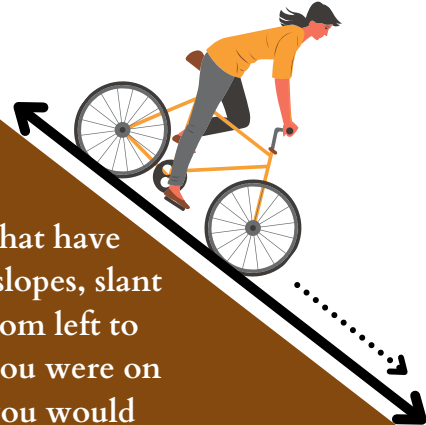
Lines that have negative slopes, slant down from left to right. If you were on a bike you would have to ride down the negative hill.
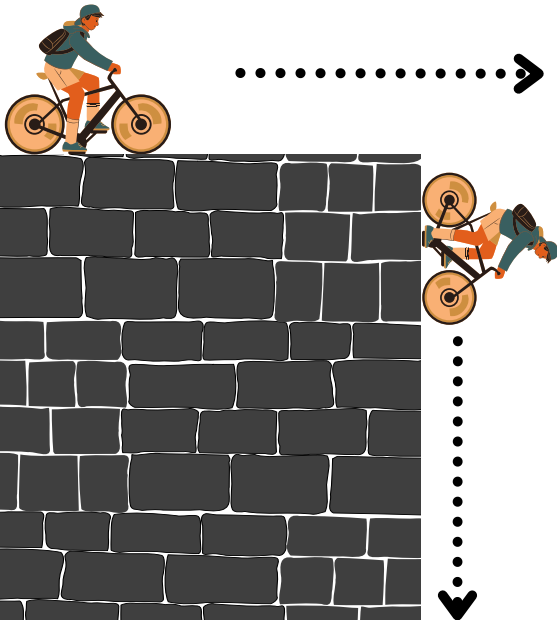
Lines that are horizontal have a slope of zero. If you were on a bike you would not have to go up or down the hill, so your ride is zero.

Lines that are vertical have an undefined slope. It would be almost impossible to ride down this hill and most likely you would be hurt.

Do it yourself :-

Use the points from each line to determine its slope.

1. $(9,7)$, $(0,2)$

2. $(5,3)$, $(2,2)$

3. $(11,7)$, $(10,1)$

4. $(0,9)$, $(8,-4)$

5. $(8,7)$, $(3,3)$

6. $(1,-3)$, $(3,11)$