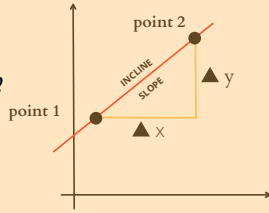
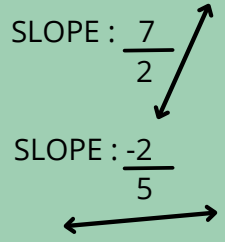


Finding the slope from two points

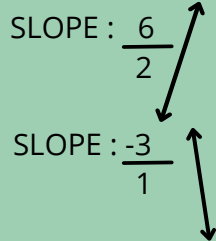
The slope of a line describes how steep it is or the slant of the line.



The steepness or slant of a line becomes more flat as the slope gets closer to zero.



As the slopes get farther and farther away from zero, the lines become more and more steep or vertical.



When the denominator reaches zero, the slope becomes undefined. In mathematics we cannot divide by zero, so the answer is undefined.

A fraction cannot have zero in the denominator. Remember this is also division and you cannot divide by zero either.

$$\frac{8}{0}$$

It would be almost impossible to ride a bike down a vertical wall.



Do it yourself :-

Use the points from each line to determine its slope.

1. $(3,0) , (2,7)$
2. $(6,1) , (-6,2)$
3. $(9,6) , (9,-13)$
4. $(-11,7) , (11,16)$
5. $(3,4) , (1,3)$
6. $(-14,14) , (2,14)$