

The Big Book Of Slopes

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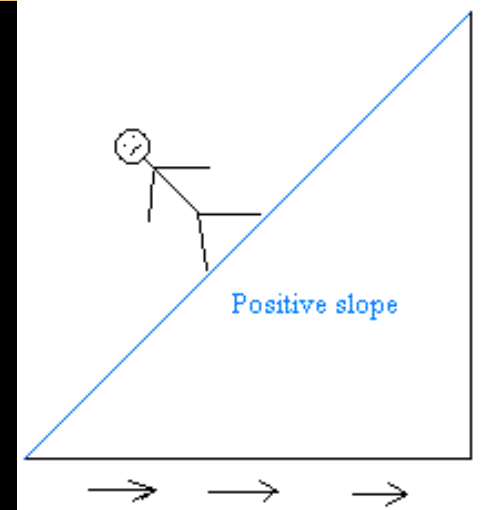
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What Is Slope?

Slope is defined as “a number that describes the direction and steepness of a line.” When expressed as a variable slope will almost always be represented by “M”. To find the slope of a line you need to first identify two different points on it. The formula for finding slope is $m = \frac{y_1 - y_2}{x_1 - x_2}$. There are four different types of slope. Positive, negative, zero, and no slope. Positive slope means that as you move from the left side of the line to the right side of the line, the line rises. Negative slope is exactly the opposite, as you move from the left to the right the line becomes lower. The third type of slope, zero slope, is a line that remains level as you move left to right on it. It neither rises nor falls. The fourth and final type of slope, No slope, means that your line is vertical and has no slope at all.

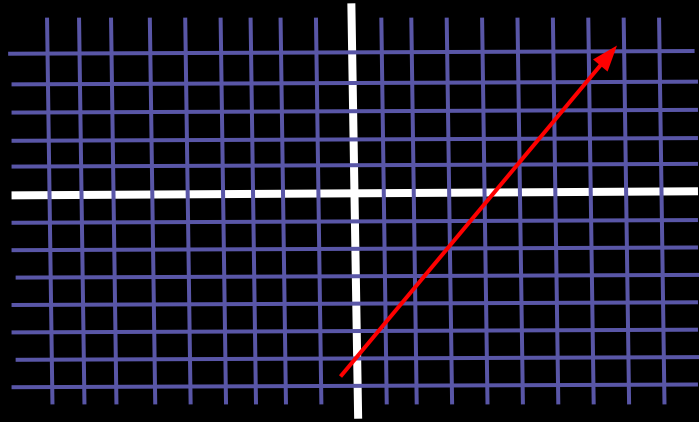
Positive Slope Example 1

Here you can see the first type of slope, the positive slope. It rises as you move from left to right on the line.



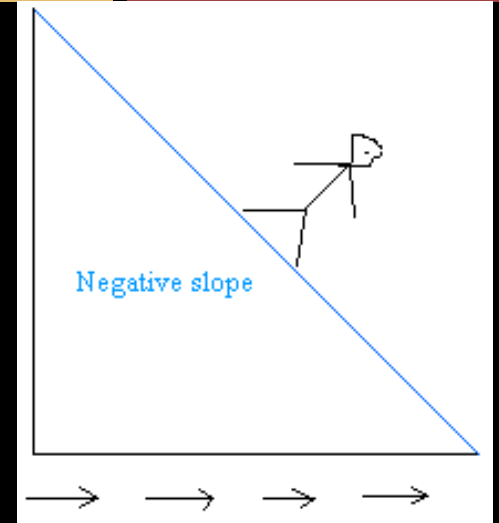
Positive Slope Example 2

This is another prime example of positive slope, it does not pass through the center of the graph but it still rises as you move from left to right on the line.



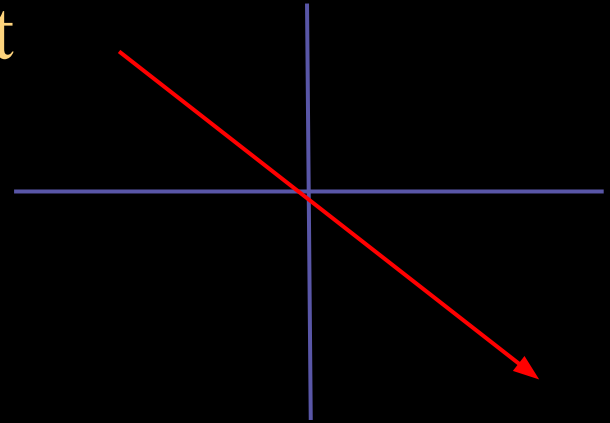
Negative Slope Example 1

In this picture you can see an example of negative slope, it falls as the line moves from left to right.



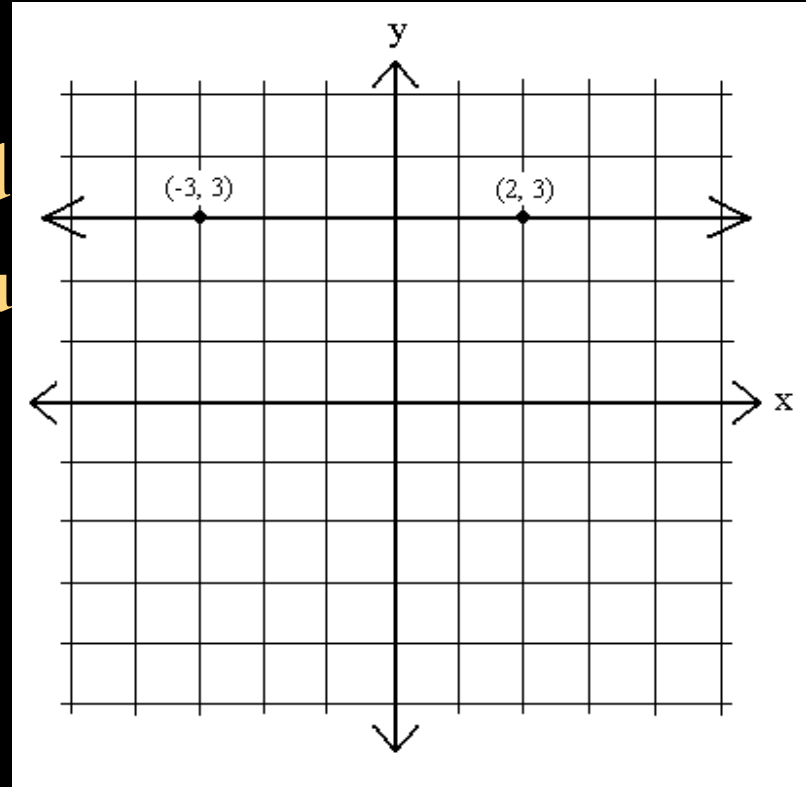
Negative Slope Example 2

This is another typical example of Negative slope, again with the line falling as it moves from left to right.



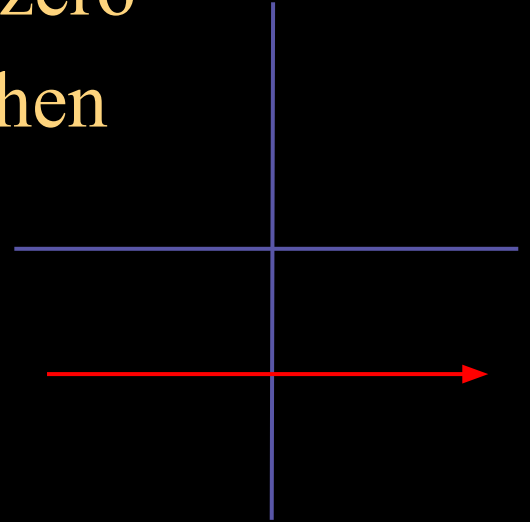
Zero Slope Example 1

This is a zero slope,
the line stays horizontal and
neither rises nor falls as you
move from left to right.



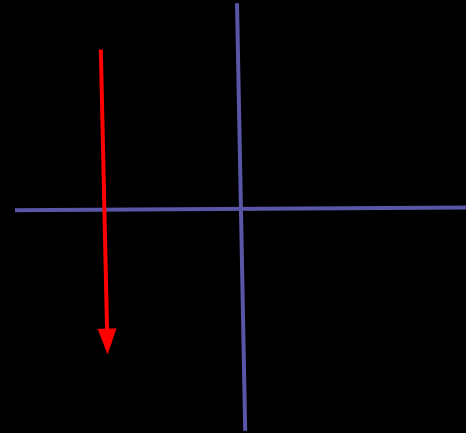
Zero Slope Example 2

This is another classic example of zero slope, as it stays completely flat when moving left and right.



No Slope Example 1

No Slope is used to describe a vertical line that has no slope at all.



No Slope Example 2

This is another perfect example of a no slope line.

