CALCULATING THE SLOPE

Given two points on a line such as $A(x_1, y_1)$ and $B(x_2, y_2)$, the <u>slope</u> is found by taking the difference of the *y*-coordinates divided by the difference of the *x*-coordinates.





<u>exercise 1</u> In each case, use the definition to find the slope of the line connecting points A and B :

1) A(0, 1)and B(2, 5)	3) A(5, 1)and B(-3, -4)
2) A(-3, 5) and B(7, -2)	4) A(-4, 5) and B(-1, 2)

exercise 2 Find the slope of each of the lines shown in the diagrams :







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