Calculating Equation of a Straight Line

What is the equation of a straight line?

m =

c =

A straight line crosses the y-axis where x =

x	-1	0	1	2	3
y	-5	-1	3	7	11

gradient =

y intercept =

equation of the line

x	2	3	4	5	6
y	8	5	2	-1	-4

As x increases by 1, y decreases by

As x decreases by 1 y increases by

When x = 1, y =

When x = 0, y =

gradient =

y intercept =

equation of the line

x	-2	0	2	4
y	3	1	-1	-3

gradient =

y intercept =

equation of the line

x	-2	-3	-4	-5	-6	-7
y	-3	-5	-7	-9	-11	-13

As x decreases by 1, y decreases by

As x increases by 1, y increases by

When x = 1, y =

When x = 0, y =

gradient =

y intercept =

equation of the line

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