

Equations – Cherry-level

Use the formula to make a linear equation and sketch it in co-ordinate system

Formula:

Linear equation: $y = ax + b$

$$a = \frac{y_2 - y_1}{x_2 - x_1}$$

$$b = y - ax_1$$

Where the two coordinates given by $(x_1; y_1)$ and $(x_2; y_2)$ are coordinates on the line.

- 1) (3 ; 6) and (8 ; 11)
- 2) (2 ; 5) and (4 ; 9)
- 3) (2 ; 3) and (4 ; 7)
- 4) (14 ; 23) and (37 ; 49)
- 5) (-25 ; 11) and (16 ; -7)
- 6) (2 ; 2) and (6 ; 4)