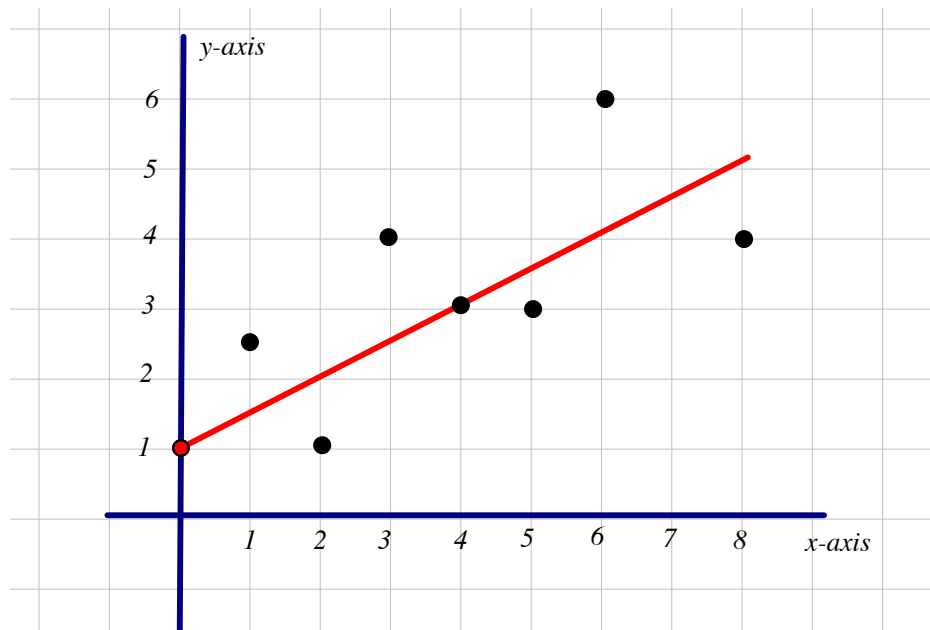


Example Given the following data: (0, 1), (1, 2.5), (2, 1), (3, 4), (4, 3), (5, 3), (6, 6), and (8, 4). Use the red line as the line of best fit.

- Find the equation of the line of best fit
- Find the residual values when x has the following values; 1, 2, 4, 6 and 8.



- The line of best fit, $y = mx + b$, the y_{int} (b) is 1. The slope, m , is $\frac{1}{2}$. Therefore, the equation is $y_c = \frac{1}{2}x + 1$.