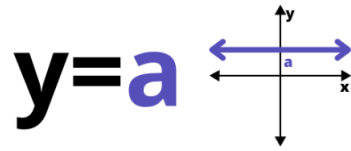
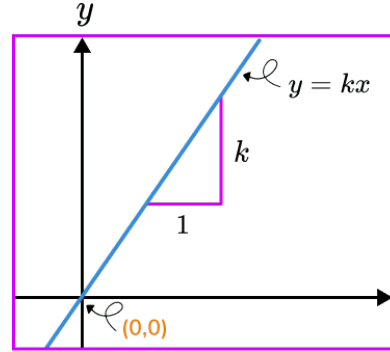
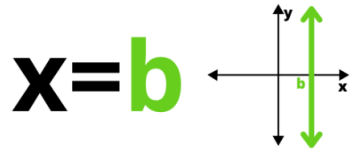


Coordinates show the positions of points

Equation of a Horizontal Line



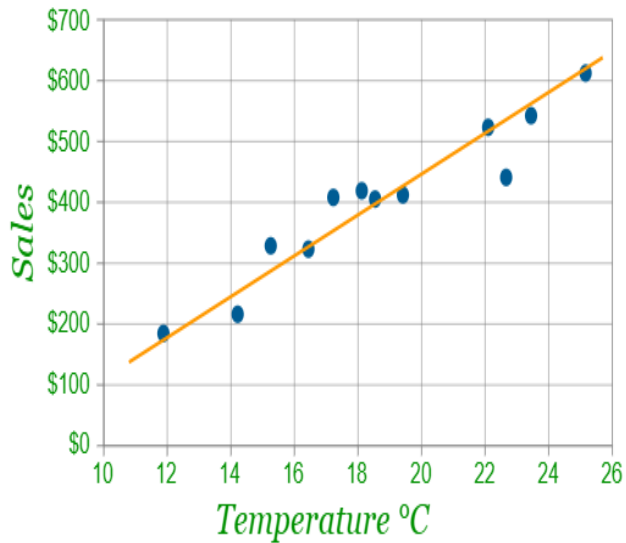
Equation of a Vertical Line



Direct proportion

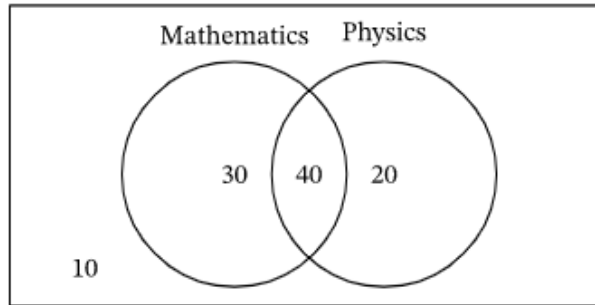
Mathematical Language:

- Coordinates, quadrant, axis, axes, origin, scale
- Horizontal, vertical, parallel, diagonal
- Equation, graph
- Gradient, slope, intercept, y-intercept
- Multiple, multiplier
- Linear, non-linear, curve, symmetrical, non-symmetrical
- Substitute, table of values
- (Direct) proportion
- Input, output
- Difference, sequence, Ascending, descending
- Midpoint, line segment, equidistant
- Variable, relationship, correlation, positive, negative, weak, strong
- Line of best fit
- Extrapolate, outlier
- Discrete, continuous, measured, counted, qualitative, quantitative
- Frequency, grouped, ungrouped, tally, range, class boundary
- Less / greater than (or equal to)
- Outcomes, sample space, probability, chance, systematic, event, equally likely, unbiased, P(event)
- Two-way table, sample
- Venn diagram, set, intersection, union, region, and/or



Scatter graph with a line of best fit

Class



The Venn diagram shows whether students like Mathematics or Physics.

40 like both (out of the 100 who were asked).

$$P(\text{one chosen at random likes both}) = \frac{40}{100} = \frac{2}{5}$$

