

VISUAL ORGANISERS

Consistent - A system of equations with at least one solution.

Dependent - A system of two linear equations is *dependent* if the equations describe the same line.

elimination method A method of solving a system of equations. Given a system, the elimination method allows you to add the two equations in order to eliminate a common variable.

equation A mathematical statement that two expressions are equal.

Inconsistent - A system of equations with no solutions.

Independent - A system of two linear equations is *independent* if the equations describe distinct lines.

substitution method A method of solving a system of equations. Given a system, the substitution method allows you to create a simpler, one-variable equation by substituting one quantity in for an equivalent quantity.

System of Equations - A set of two or more equations with the same variables.

Underdetermined - A system in which there are more variables than equations is *underdetermined*.