

Simultaneous Equations Mind Map – N5 Maths

Where two lines intersect (crossover)

$y = -2x + 6$

$y = 0.5x + 1$

$(2, 2)$

Graphically

Algebraically

Simultaneous Equations

2. Scale and Eliminate

1. Rearrange & Label

$2y = x + 2$ $y = -2x + 6$

$-x + 2y = 2$ (A)

$2x + y = 6$ (B)

2x(A) then added

$-2x + 4y = 4$ (C)

$2x + y = 6$ (D)

$5y = 10$

$y = 2$

Sub $y = 2$ into (A)

$-x + 2 \times 2 = 2$

$-x = -2$

$x = 2$

(2, 2)

Remember to use the check