Credit

Simultaneous Equations

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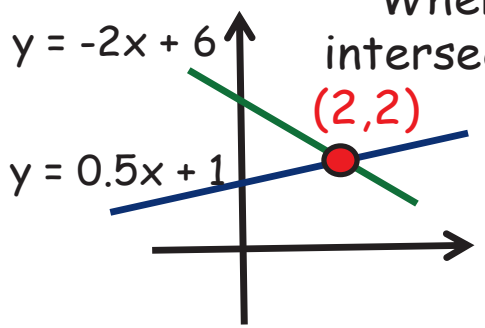
Where two lines intersect (crossover)



Graphically

Algebraically

Simultaneous Equations

x2 (y = 0.5x + 1

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

1. Rearrange & Label

-x + 2y = 2 (A)

2x + y = 6 (B)

2. Scale and Eliminate

2x(A) then add

-2x + 4y = 4 (C)

2x + y = 6 (D)

C + D

5y = 10

y = 2

Sub y = 2 into (A)

-x + 2x2 = 2

-x = -2

x = 2

(2,2)

Remember to do the check !!!