

Vitamin A plot (0,6) (3,0)



Vitamin C plot added (0,3) (9,0)



Calories plot added (0,5) (5,0)

Find feasibility area



Prove/Determine *feasible* area

Using ‘original’ as reference, (0,0) (x,y)

Substitute these zero values into each constraint equations

Example

(Calories) 60(0) + 60(0) ≤ 360

If true, then area towards to the origin

If false, then area away from origin



Feasibility area



Optimal points of intersection

Find (x,y) by solving simultaneous equations for points B and C or by plotting from the graph

Points A and D we already have

Substitute values of x and y into Variable function equation to work out the optimal/minimal cost



Coordinates of Point B and C are (1,4) and (3,2)