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Reformulating as LPP

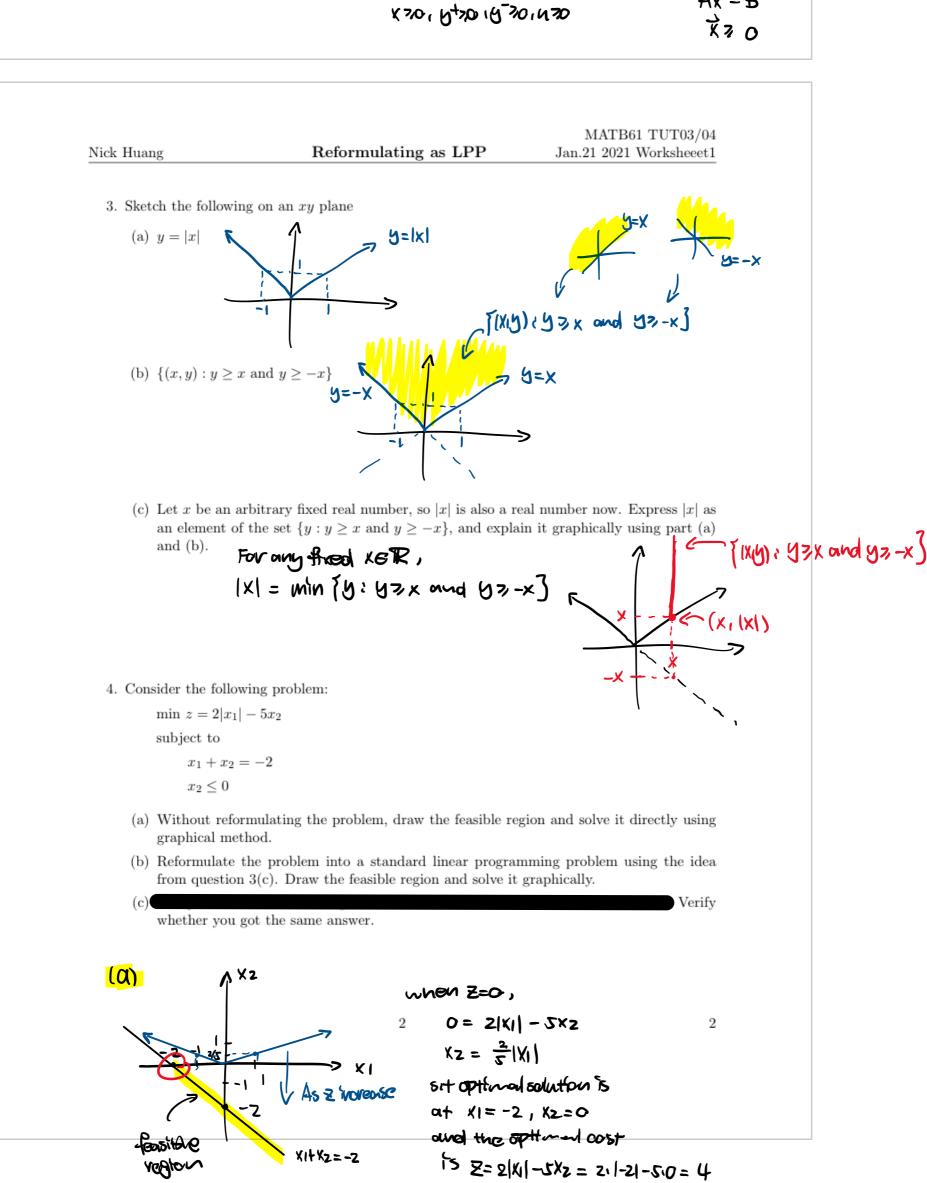
MATB61 TUT03/04 Jan.21 2021 Worksheeet1

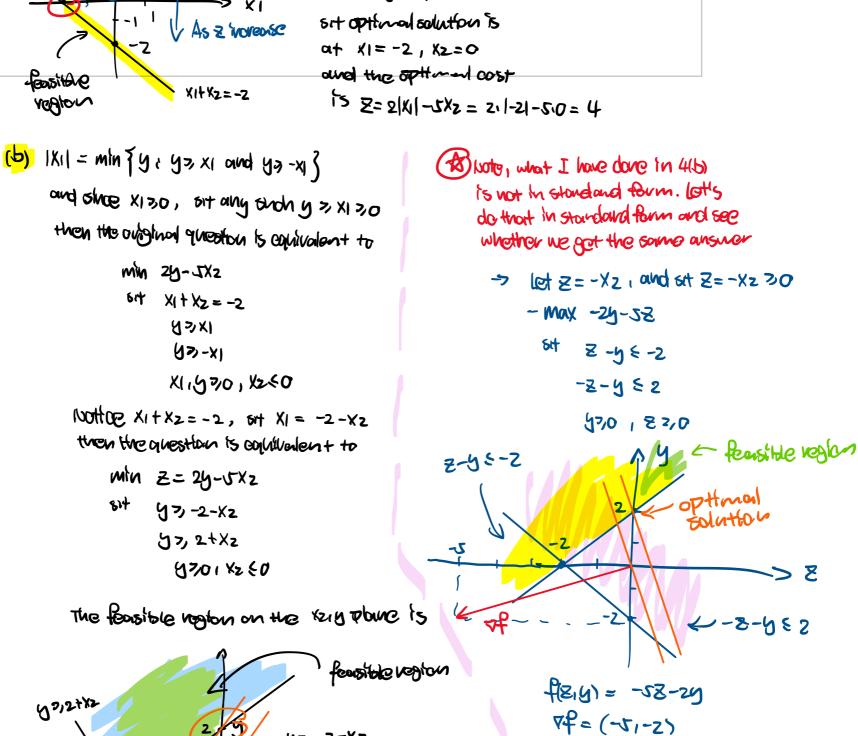
## Learning Objective

Understand the structures of the linear programming problem in standard form and in canonical form. Be able to set up a linear programming model using suitable notation, and convert to different forms when needed. Understand how to reformulate a special type of piecewise linear programming problem into a standard linear programming problem.

## Questions

 For each of the following problems, determine whether or not it is a standard linear programming problem. If not, explain the reason and reformulate it to a standard linear programming





when 2=0, 0=29-15x2

Bit whom y=1, xz = 2

(XZ14)=(012) is an optimal tolution

and the optimal cost is Z= 26-5x2 = 4

(c) unton to the same as what we got from (a)

optimal solution ort (815)=(0,2)

we got the same oursider!

the cost is -(-24-58) = -(-4) = 4