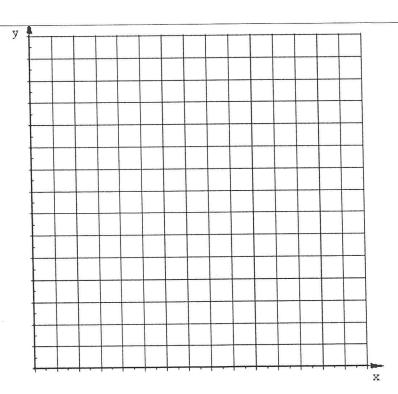
A seamstress is making some pants and shirts to be sold at a craft fair. It takes her 6 hours to make every pair of pants and 4 hours to make each shirt. She only has 72 to work on these garments. Materials for each pair of pants cost \$16 and for each shirt cost \$6. Her budget is \$144.

She plans on selling each pair of pants for \$50 and each shirt for \$20.

Write and graph a system of inequalities to meet all of these constraints and find the number of each garment that should be made and sold to maximize her revenue.

Constraints:

Objective Function:



ALG 2 Bellwork Tuesday, October 14, 2014

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