A Decision Variables

X = Pounds of Mix A

Y = Pounds of Mix B

B Sumarize in a table

	Mix A	Mix B	Min required N
N1	3000	4000	36000
N2	1000	4000	20000
Cost	0.2	0.4	

C Write the objective function P

C = 0.2x + 0.4y

D Write the problem constraints and non-negative contraints

3000x + 4000y	>=	36000
1000x + 4000y	>=	20000
x, y	>=	

E Graph the feasible region.

F

Corner points	Objective value
(0,9)	$3,600
(8,3)	$2,800
(20,0)	$4,000

G Maximum objective = No maximum

Minimum objective = $2,800