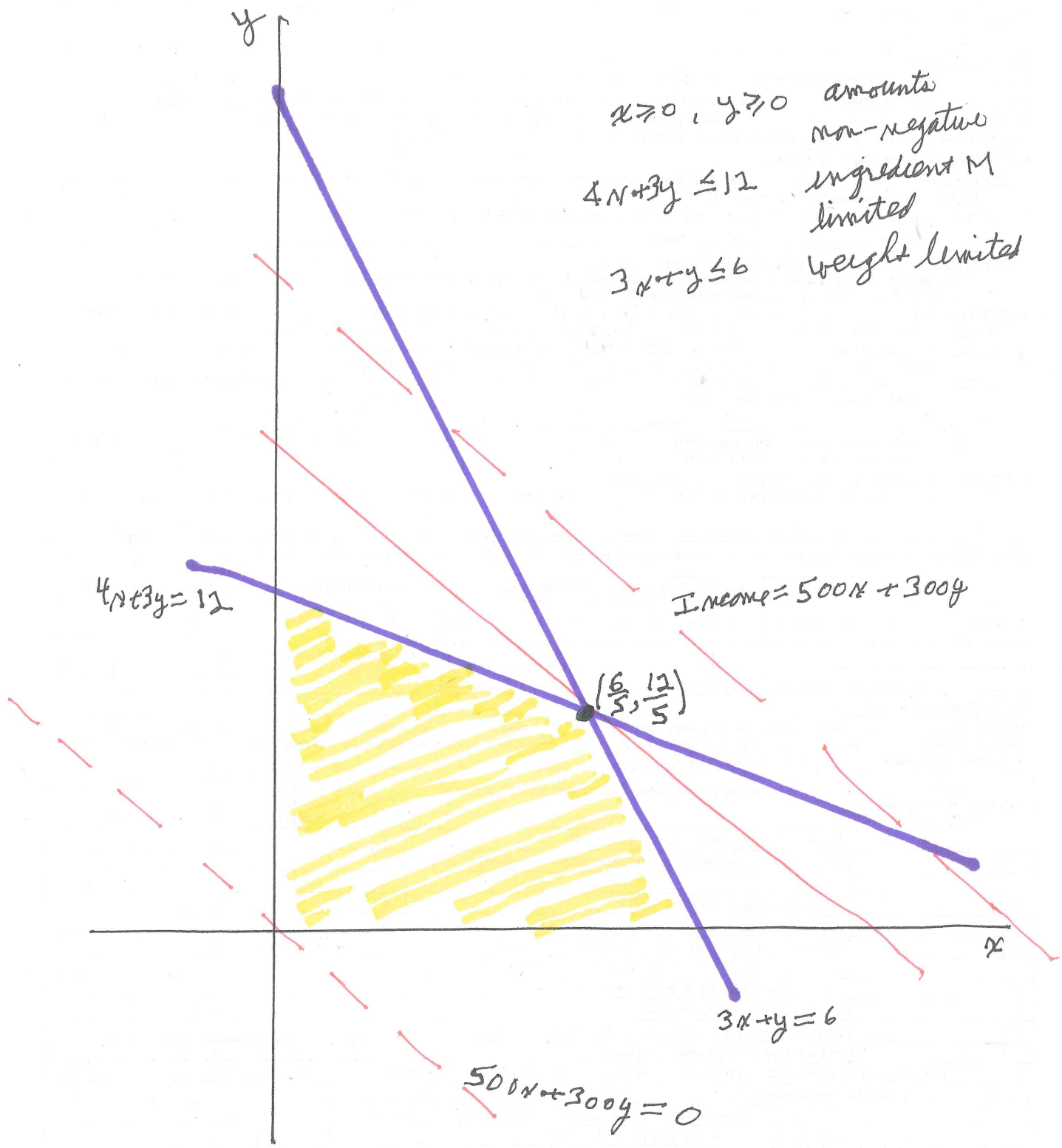


$x \geq 0, y \geq 0$ amounts non-negative
 $4x + 3y \leq 12$ ingredient M limited
 $3x + y \leq 6$ weight limited



$4x + 3y = 12$

Income = $500x + 300y$

$(\frac{6}{5}, \frac{12}{5})$

$3x + y = 6$

$500x + 300y = 0$