

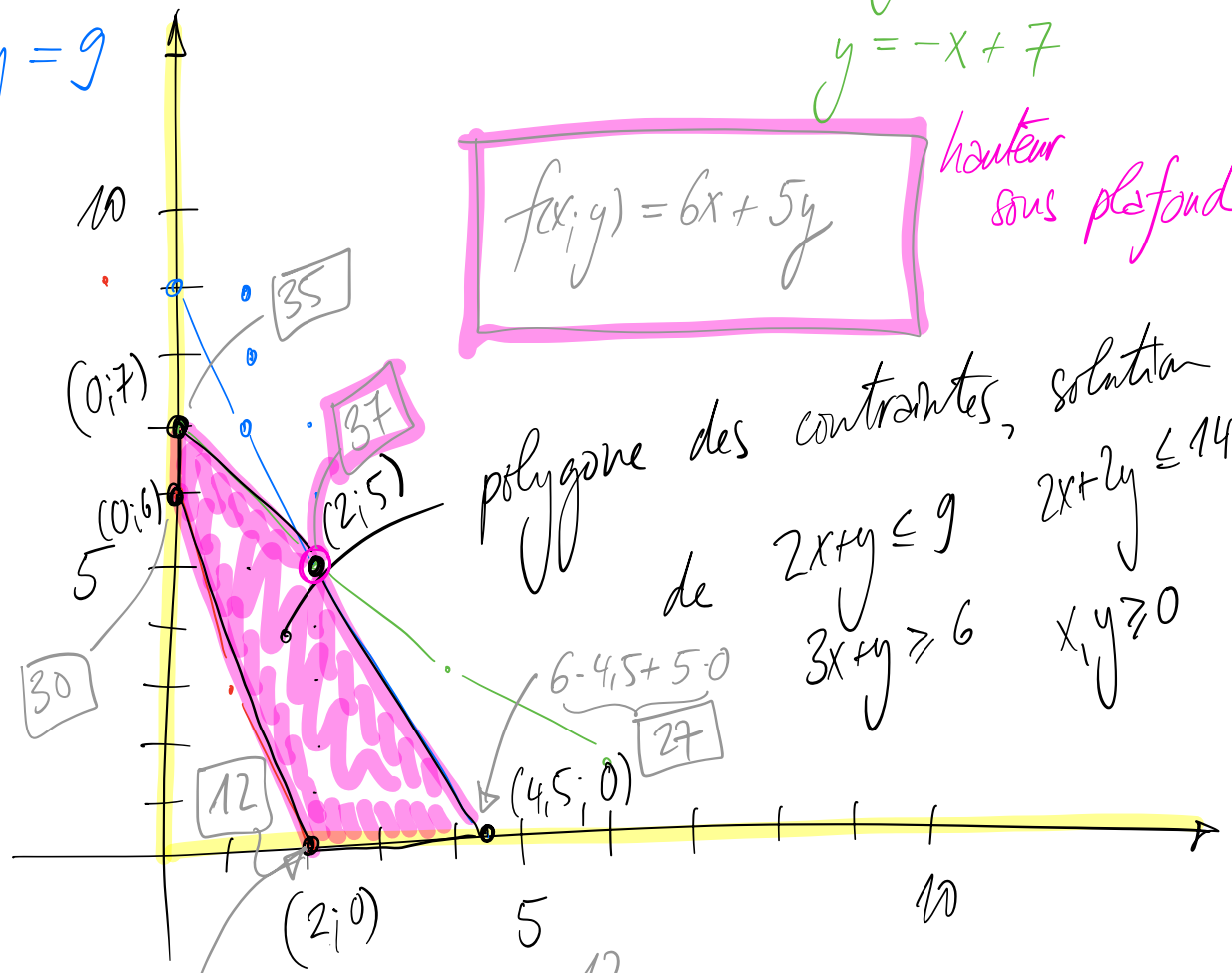
1.5 $2x+y \leq 9$
 $2x+y = 9$
 $y = -2x+9$

$2x+2y = 14$
 $y = -x+7$

$3x+y = 6$
 $y = -3x+6$
 $\uparrow -\frac{3}{1}$

$f(x,y) = 6x + 5y$

hauteur sous plafond



polygone des contraintes, solution de $2x+y \leq 9$
 $3x+y \geq 6$
 $2x+2y \leq 14$
 $x, y \geq 0$

$f(2;0) = 6 \cdot 2 + 5 \cdot 0 = 12$

30

12

(2;0)

5

(4,5; 0)

$6 - 4,5 + 5 \cdot 0$

27

(2;5)

37

35

(0;7)

(0;6)

5

10

10

1.6 $y = \frac{1}{2}x + 4$

$y = \frac{7}{2}x - 14$

$y = -x + 4$

