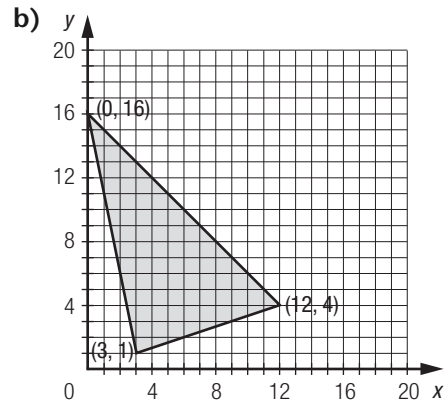
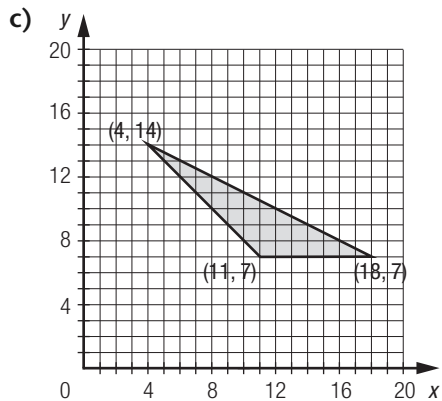


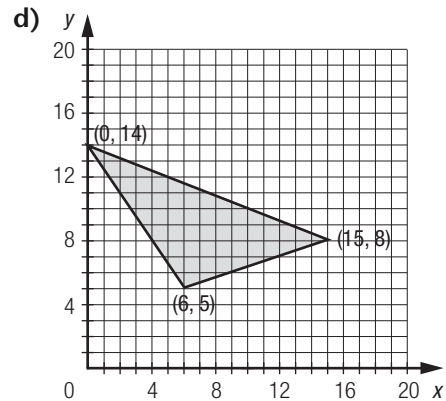
Les coordonnées des sommets sont $(2, 2)$, $(7, 12)$ et $(12, 7)$.



Les coordonnées des sommets sont $(3, 1)$, $(0, 16)$ et $(12, 4)$.



Les coordonnées des sommets sont $(4, 14)$, $(18, 7)$ et $(11, 7)$.



Les coordonnées des sommets sont $(0, 14)$, $(15, 8)$ et $(6, 5)$.

Renforcement 1.2 (suite)

2. a) $y \geq x + 1$, $y \geq -0,5x + 10$ et $y \leq 0,4x + 10$.

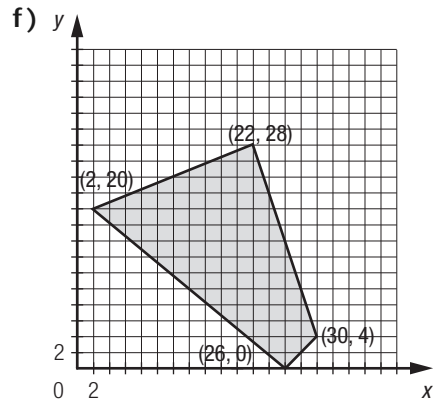
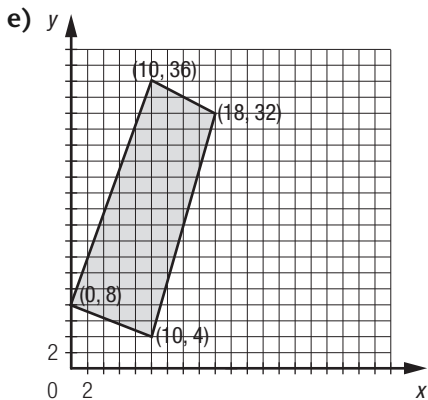
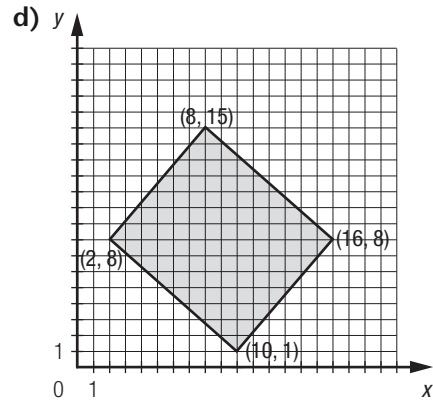
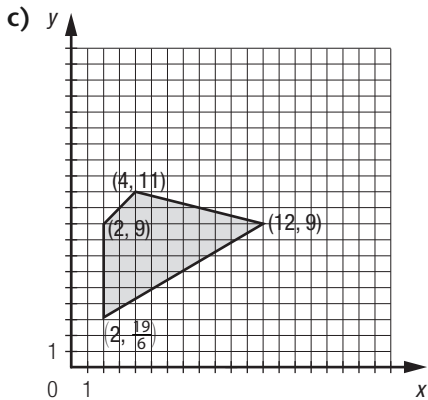
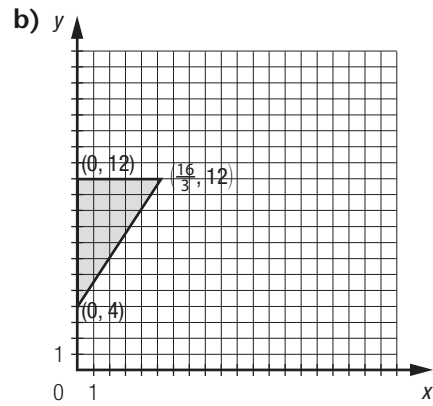
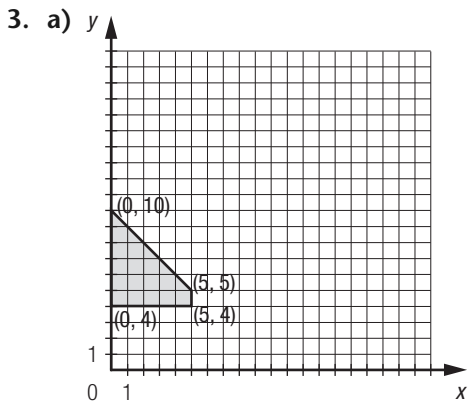
b) $y \geq 1,5x - 2$, $y \leq \frac{x}{3} + 12$ et $y \geq -2x + 19$.

c) $y \geq 0,5x$, $y \leq 3x$ et $y \leq -0,5x + 14$.

d) $y \leq \frac{4}{3}x + 1$, $y \geq \frac{4}{3}x - 15$, $y \geq -\frac{4}{3}x + 17$ et $y \leq -\frac{4}{3}x + 33$.

e) $y \geq -5x + 28$, $y \leq \frac{-x + 56}{3}$, $y \geq -\frac{11}{3}x + 24$ et $y \geq 7x - 40$.

f) $y \geq -4x + 18$, $y \leq \frac{x}{4} + \frac{19}{2}$, $y \leq -2x + 32$ et $y \geq \frac{3}{4}x - 1$.



4. a) $y \geq 7$, $y \leq \frac{-x}{2} + 16$ et $y \geq -x + 18$.
 b) $y \leq \frac{-2x}{5} + 14$, $y \geq \frac{-3x}{2} + 14$ et $y \geq \frac{x}{3} + 3$.
 c) $y \geq \frac{x}{3}$, $y \leq -x + 16$ et $y \geq -5x + 16$.
 d) $y \leq -x + 19$, $y \leq 2x - 2$ et $y \geq \frac{x}{2} + 1$.

5. a) x : nombre de plants de tomates
 y : nombre de plants de concombres

b) $x \geq 0$, $y \geq 0$, $x \geq 2y$ et $0,25x + y \leq 24$.

c) $(0, 0)$, $(32, 16)$, $(96, 0)$