1. On solving the inequalities $2x + 5y \leq 20$, $3x + 2y \leq 12$, $x \geq 0, y \geq 0$, we get the following situation

(a) (0, 0), (0, 4), (4, 0) and $(20/11, 36/11)$ (b) (0, 0), (10, 0), (0, 6) and $(20/11, 36/11)$

(c) (0, 0), (0, 4), (4, 0) and (2, 3) (d) (0, 0), (10, 0), (0, 6) and (2, 3)

2. On solving the inequalities $6x + y \geq 18$, $x + 4y \geq 12$, $2x + y \geq 10$, we get the following situation

(a) (0, 18), (12, 0), (4, 2) and (2, 6)

(b) (3, 0), (0, 3), (4, 2) and (7, 6)

(c) (5, 0), (0, 10), (4, 2) and (7, 6)

(d) (0, 18), (12, 0), (4, 2), (0, 0) and (7, 6)