

AUTOEVALUACIÓN TEMA 4

1. Resolver:

$$\text{a. } \left. \begin{array}{l} 2x + 3(x - 1) < 7 \\ 3x + 2 \leq x + 6 \end{array} \right\}$$

$$\text{b. } \left. \begin{array}{l} -3(x - 3) - 2x \leq -3 \\ 2x - \frac{x}{2} > 2 \end{array} \right\}$$

$$\text{c. } \left. \begin{array}{l} \frac{x^2 - 5x + 4}{x^2 - 5x + 6} \geq 0 \\ 4x - 5(x - 2) < 2(x - 3) \end{array} \right\}$$

2. Resolver:

$$\text{a. } \left. \begin{array}{l} x + y \leq 2 \\ y \leq -2x \\ \frac{x+5}{3} - y < 0 \end{array} \right\}$$

$$\text{b. } \left. \begin{array}{l} 2x + y \leq -2 \\ x - y > 2 \\ x > 1 \\ y \leq 2 \end{array} \right\}$$

$$\text{3. } \left. \begin{array}{l} 3x - 2y - 5z = 8 \\ 4x + 3y - z = 5 \\ 6x + 3y - 5z = 7 \end{array} \right\}$$

$$\text{4. } \left. \begin{array}{l} x - 2y + 2z = 8 \\ 2x + 3y + 2z = -5 \\ 3x + y + 4z = 9 \end{array} \right\}$$

$$\text{5. } \left. \begin{array}{l} x - 2y + 2z = 5 \\ 2x + y + 3z = 4 \\ 3x + 4y + 4z = 3 \end{array} \right\}$$

$$\text{6. } \left. \begin{array}{l} x^2 + y^2 = 50 \\ xy = -7 \end{array} \right\}$$

$$\text{7. } \left. \begin{array}{l} 2x^2 + y^2 = 11 \\ x^2 - 3y = -8 \end{array} \right\}$$