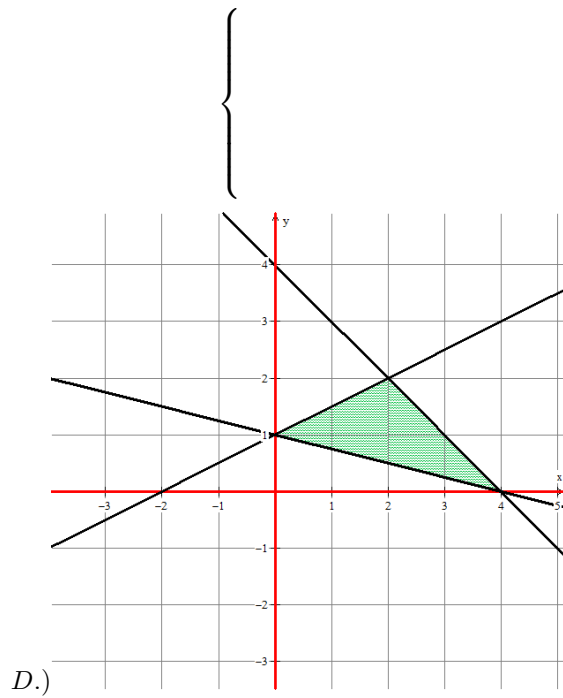
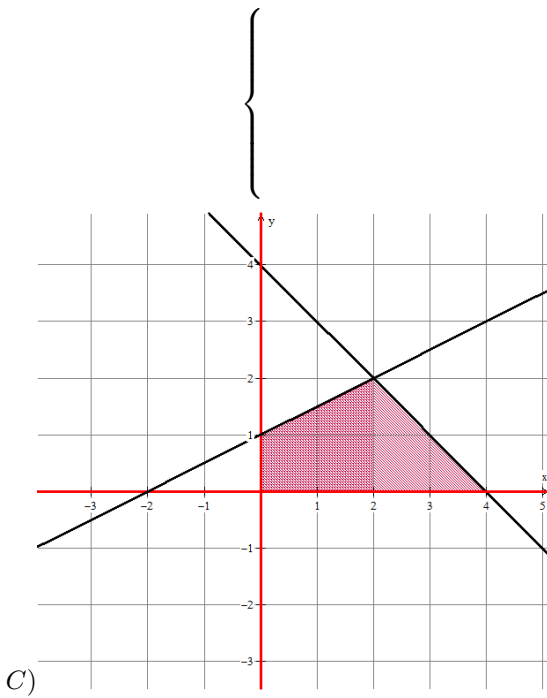
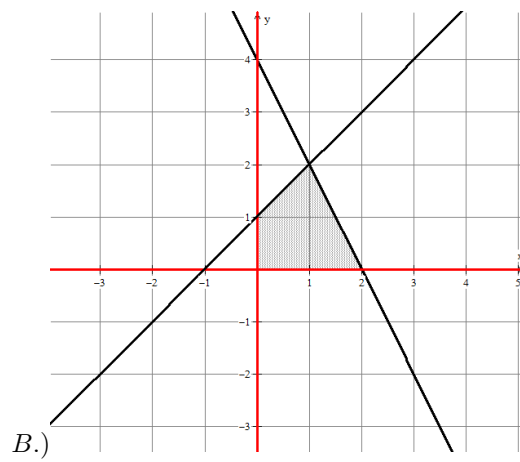
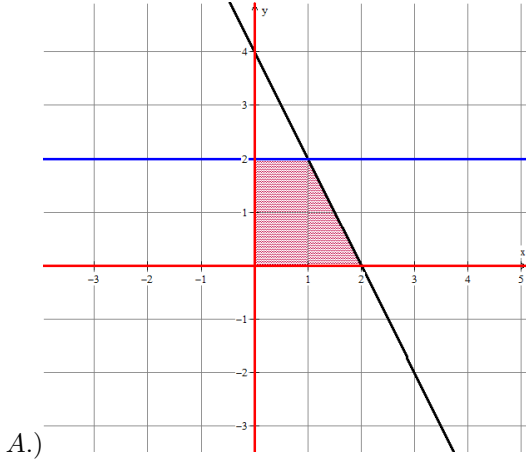


Determina la región solución de sistema de inecuaciones lineales en dos variables

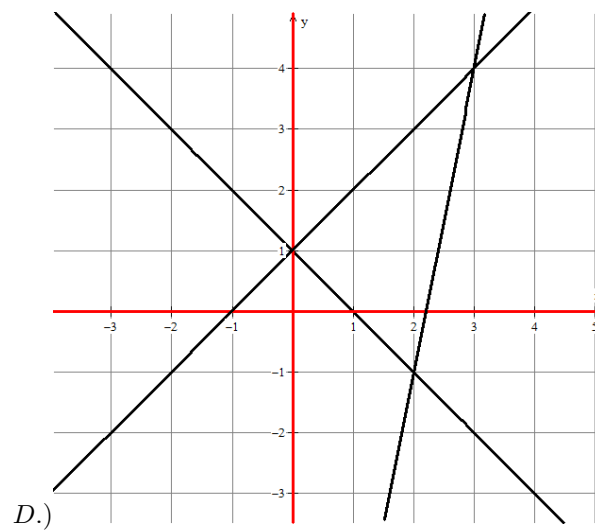
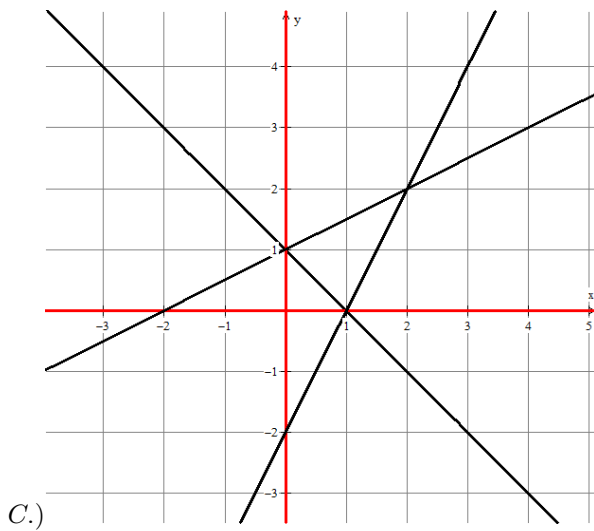
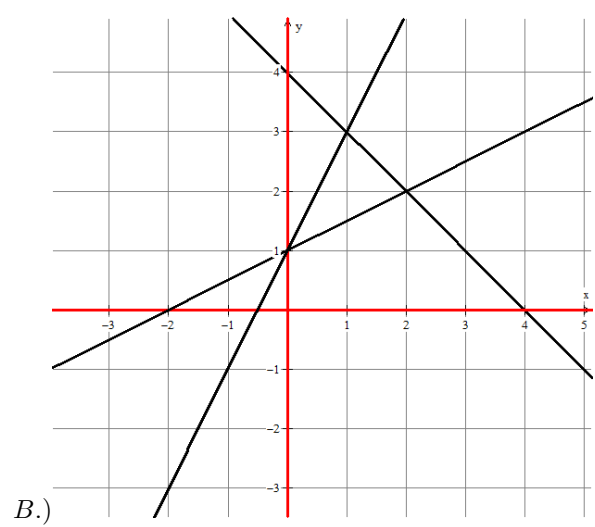
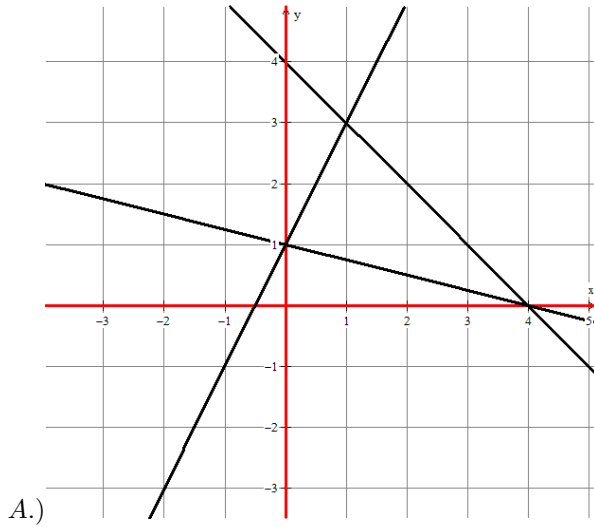
1. En cada caso, determine el sistema de desigualdades lineales cuya solución es la región sombreada.



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2. En cada caso, determine analíticamente los vértices del triángulo.



3. Determine la región solución para los siguientes sistemas de desigualdades lineales

(a)
$$\begin{cases} 2x + y \leq 10 \\ x + y \leq 5 \end{cases}$$

(b)
$$\begin{cases} x - y < 1 \\ y - x < 1 \end{cases}$$

(c)
$$\begin{cases} x - y > 4 \\ x < 2 \\ y > -5 \end{cases}$$

(d)
$$\begin{cases} y < 2x - 4 \\ x \geq -2 \\ y < 1 \end{cases}$$

(e)
$$\begin{cases} 2x - 3y > -12 \\ 3x + y > -6 \\ y > x \end{cases}$$

(f)
$$\begin{cases} 5x - 2y \leq 10 \\ 4x - 6y \leq 12 \\ y \geq 0 \end{cases}$$