3-74. What are the boundary points for each of the following inequalities? Draw the boundaries on a number line and shade the solution regions

    a) $3x + 2 \geq x - 6$

    b) $2x^2 - 5x < 12$

- **3-83.** Solve the following systems algebraically. What does each solution reveal about the graph of the equations in the system?

    a. $x + 2y = 17$
         $x - y = 2$

    b. $4x + 5y = 11$
         $2x + 6y = 16$