2. (a) Write down the parametric equation of a line between points (x_0, y_0) and (x_1, y_1). [4]

   (b) What inequalities need to be satisfied for this line to be clipped against a box with opposite corners at $(x_{min}, y_{min}), (x_{max}, y_{max})$? [4]

   (c) Using your answer to (b), explain the Liang-Barsky Clipping method for a line which crosses one or more clipping boundaries. [11]

   (d) In what ways is the Liang-Barsky method more efficient than the Sutherland-Cohen method? [6]