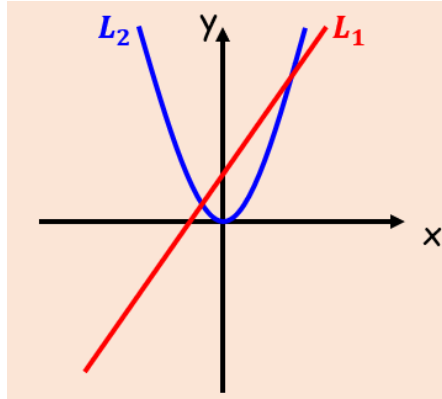# 3F Interpreting Graphical Non-Linear Inequalities

1. L_1 has equation $y = 12 + 4x$
   L_2 has equation $y = x^2$
   The diagram below shows a sketch of L_1 and L_2 on the same axes.

   a) Find the coordinates of the points of intersection

   b) Hence write down the solution to the inequality $12 + 4x > x^2$