**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.



1. Find the coordinates of the points of intersection
2. Hence write down the solution to the inequality $12+4x>x^{2}$