Sketching Inequalities:

Examples

1. $L\_{1}$ has equation $y=12+4x$. $L\_{2}$ has equation $y=x^{2}$.

The diagram shows a sketch of $L\_{1}$ and $L\_{2}$ on the same axes.

1. Find the coordinates of $P\_{1}$ and $P\_{2}$, the points of intersection.
2. Hence write down the solution to the inequality

$$6$$

$$-2$$

$$x$$

$$y$$

$$P\_{1}$$

$$y=x^{2}$$

$$P\_{2}$$

$$y=12+4x$$

$12+4x>x^{2}$.