

3.6) Inequalities on graphs

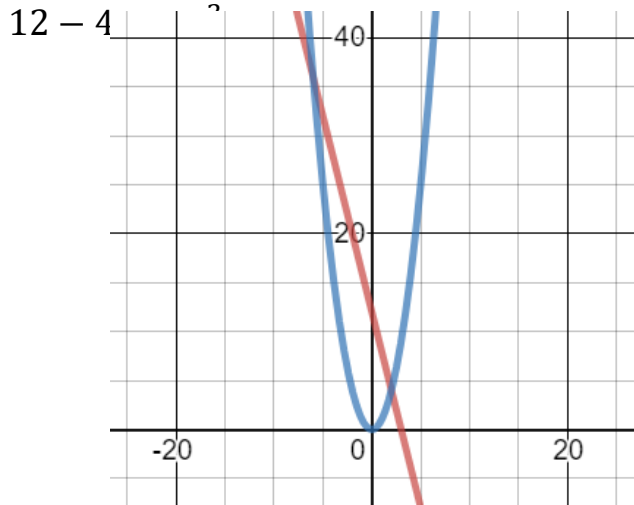
Worked example

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.

- Find the coordinates of the points of intersection.
- Hence write down the solution to the inequality



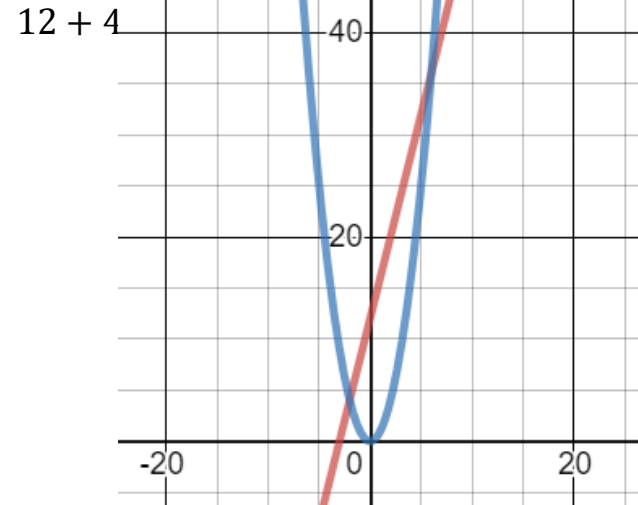
Your turn

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.

- Find the coordinates of the points of intersection.
- Hence write down the solution to the inequality



a) $(6, 36)$ and $(-2, 4)$

b) $-2 < x < 6$