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2.15 Solving inequalities

Checklist

What you should know

By the end of this subtopic you should be able to:

- solve inequalities algebraically for polynomials up to the 3rd degree

- sketching the graphs for which you are investigating the inequality is always a good idea, even if the solution is found algebraically

- you must be able to find intersection points of functions with your GDC and thus, solve inequalities of the form $f(x) \geqslant g(x)$

- $-x < a \Leftrightarrow x > -a$ and $-x > a \Leftrightarrow x < -a.$

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