2.5 - Solve Inequalities Using Technology

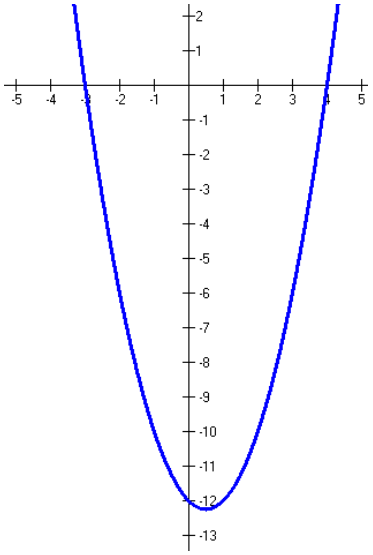
Example 1: Solve the polynomial inequality. Round answers to one decimal place.

$$x^2 - x - 12 < 0$$

Solution:

Use technology to graph out the function:
(You can use Mathgv, Wolfram, or Google. Type in: x^2 - x - 12)

It should look like this:



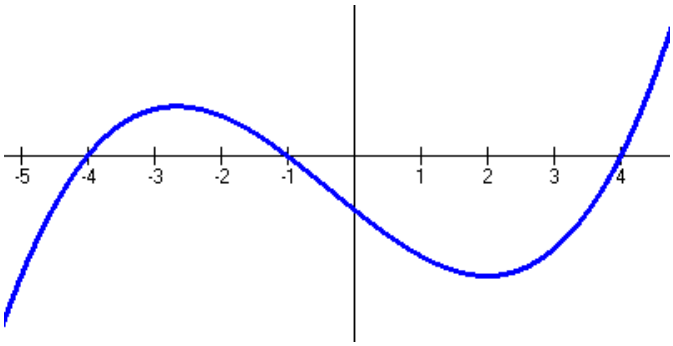
Example 2: Solve the polynomial inequality. Round answers to one decimal place.

$$x^3 + x^2 - 16x - 16 \leq 0$$

Solution:

Use technology to graph out the function:
(You can use Mathgv, Wolfram, or Google. Type in: x^3 + x^2 - 16x - 16)

It should look like this:



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