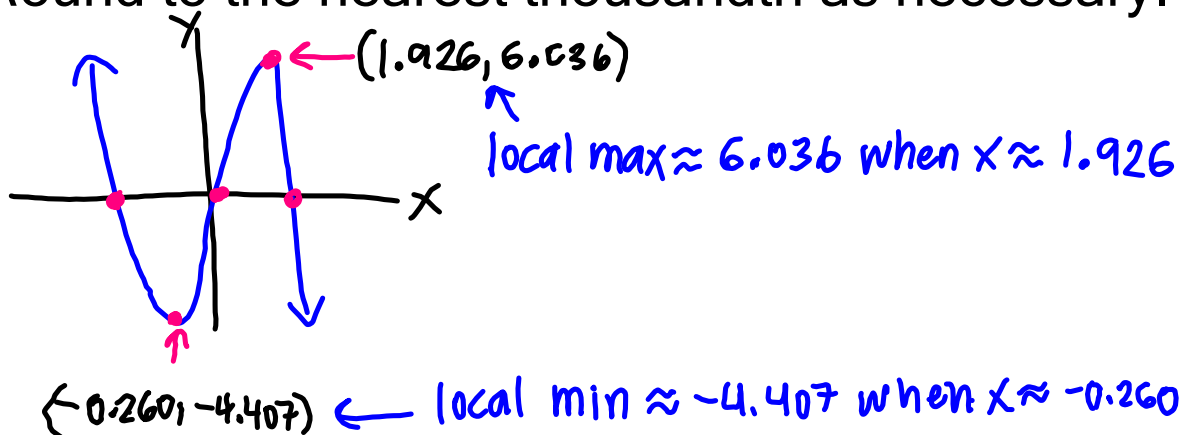


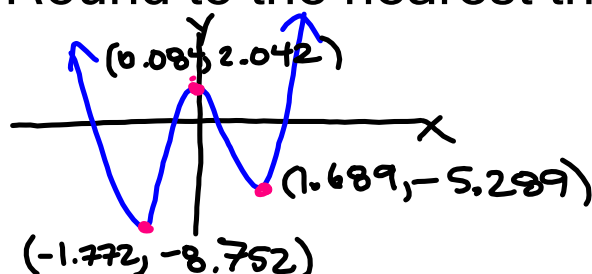
Example 3

Use a graphing calculator and draw a rough sketch of the graph of $y = -2x^3 + 5x^2 + 3x - 4$. Identify the x-intercepts and any points where local maximums or local minimums occur. Round to the nearest thousandth as necessary.



Example 4

Use a graphing calculator and draw a rough sketch of the graph of $y = x^4 - 6x^2 + x + 2$. Identify the x-intercepts and any points where local maximums or local minimums occur. Round to the nearest thousandth as necessary.



local min ≈ -8.752
when $x \approx -1.772$

local max ≈ 2.042
when $x \approx 0.084$

local min ≈ -5.289
when $x \approx 1.689$