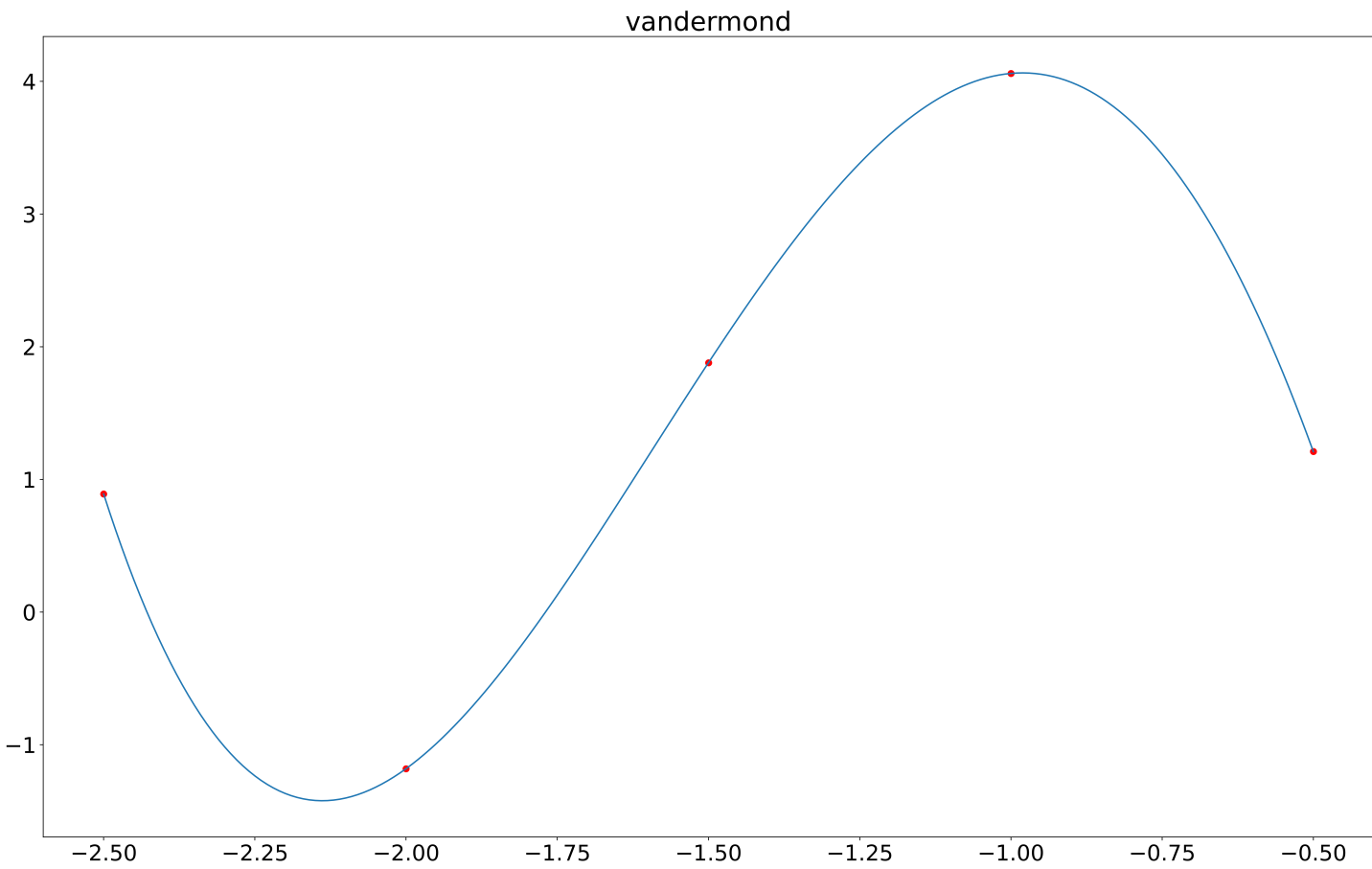


Eliton Machado da Silva

6)

Algoritmo vandermond

Questão 1:

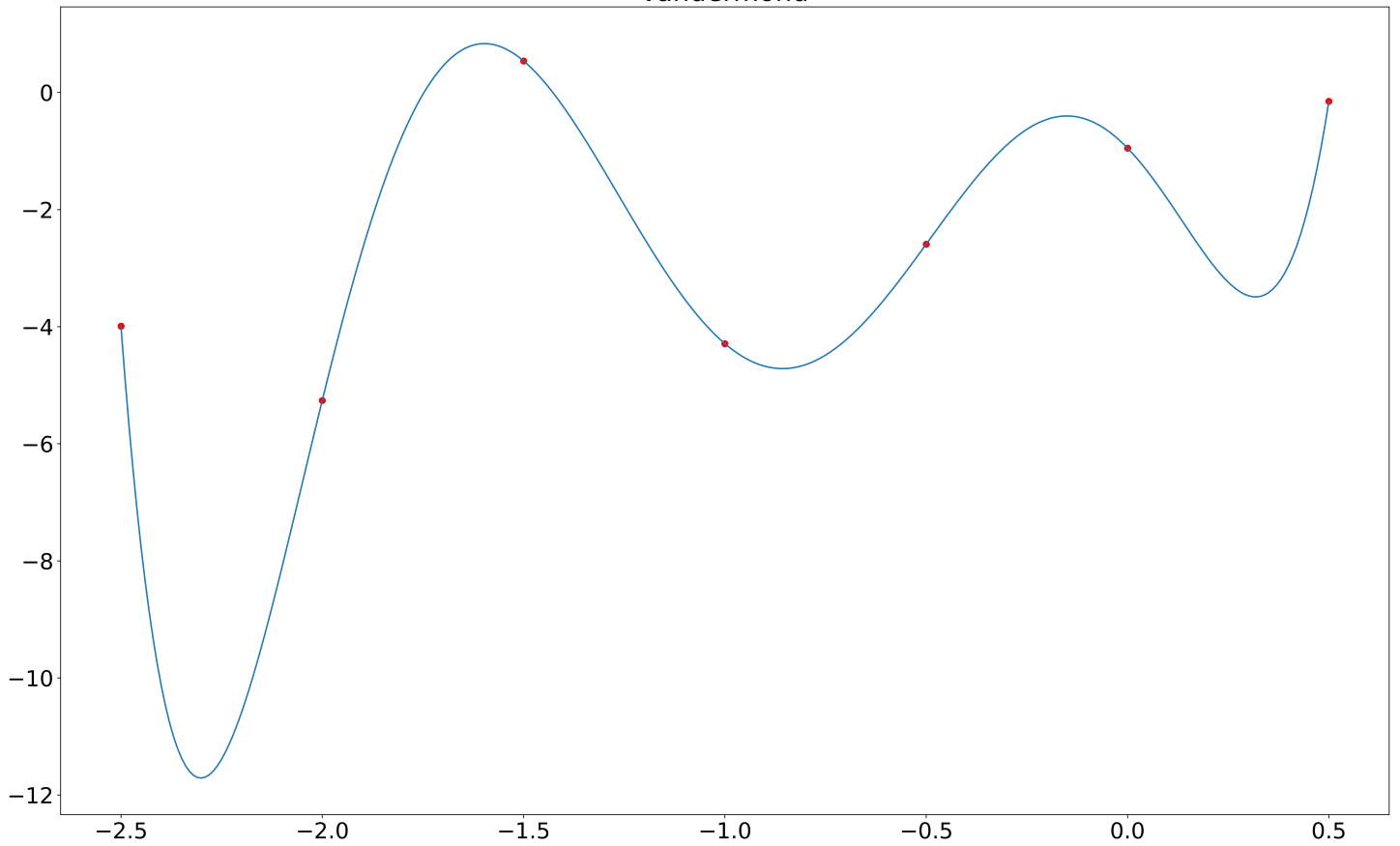


Polinômio:

$$p(x) = -8.959999999999994 * x ** 0 - 28.256666666666666 * x ** 1 - 15.810000000000002 * x ** 2 + 0.6666666666666643 * x ** 3 + 1.2399999999999995 * x ** 4$$

Questão 2:

vandermond

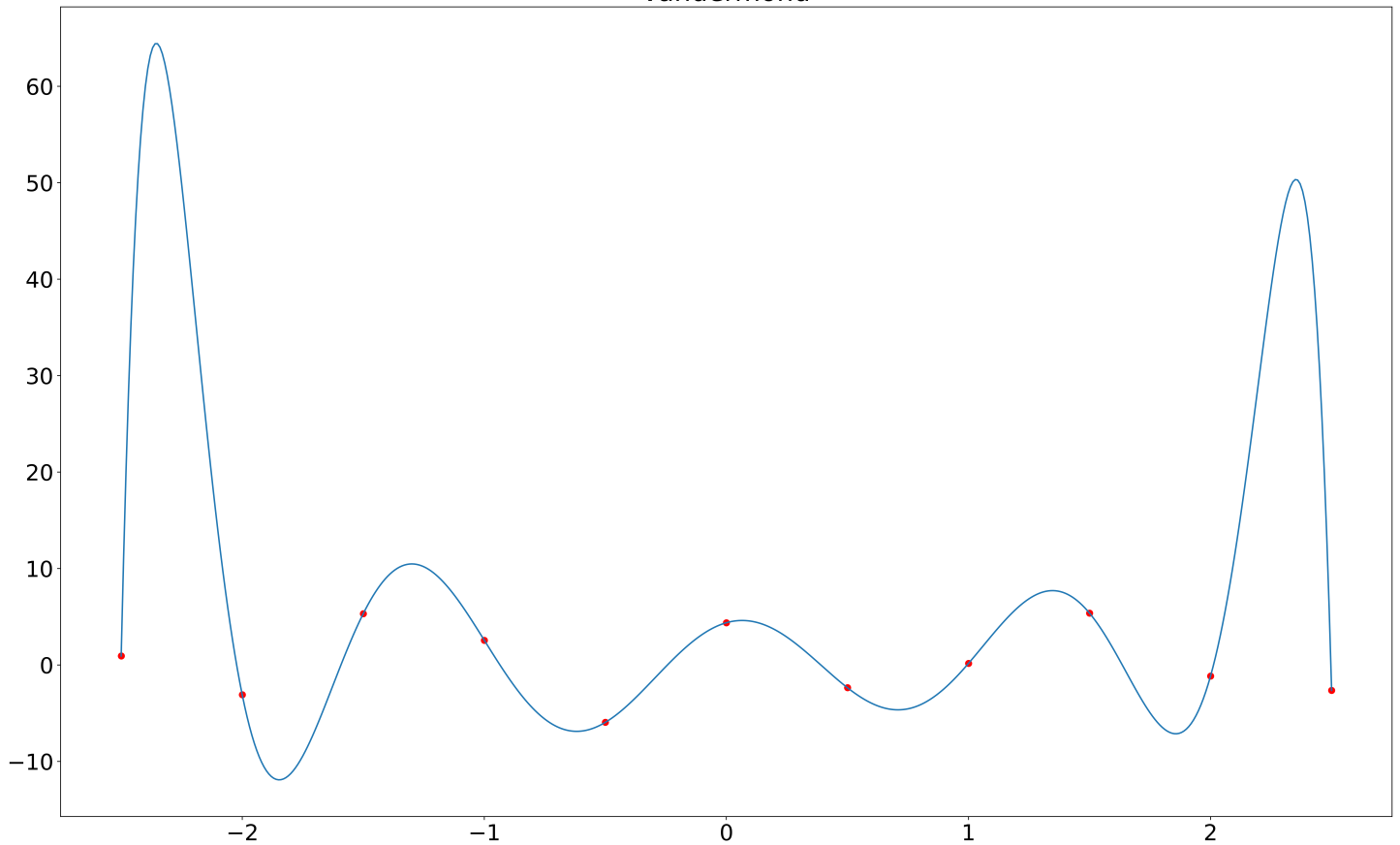


Polinômio:

$$p(x) = -0.9500000000015447 * x^{*0} - 7.102333333334499 * x^{*1} - 20.310666666665774 * x^{*2} + 27.381666666671027 * x^{*3} + 72.56333333333804 * x^{*4} + 43.150666666666871 * x^{*5} + 7.837333333333647 * x^{*6}$$

Questão 3:

vandermond

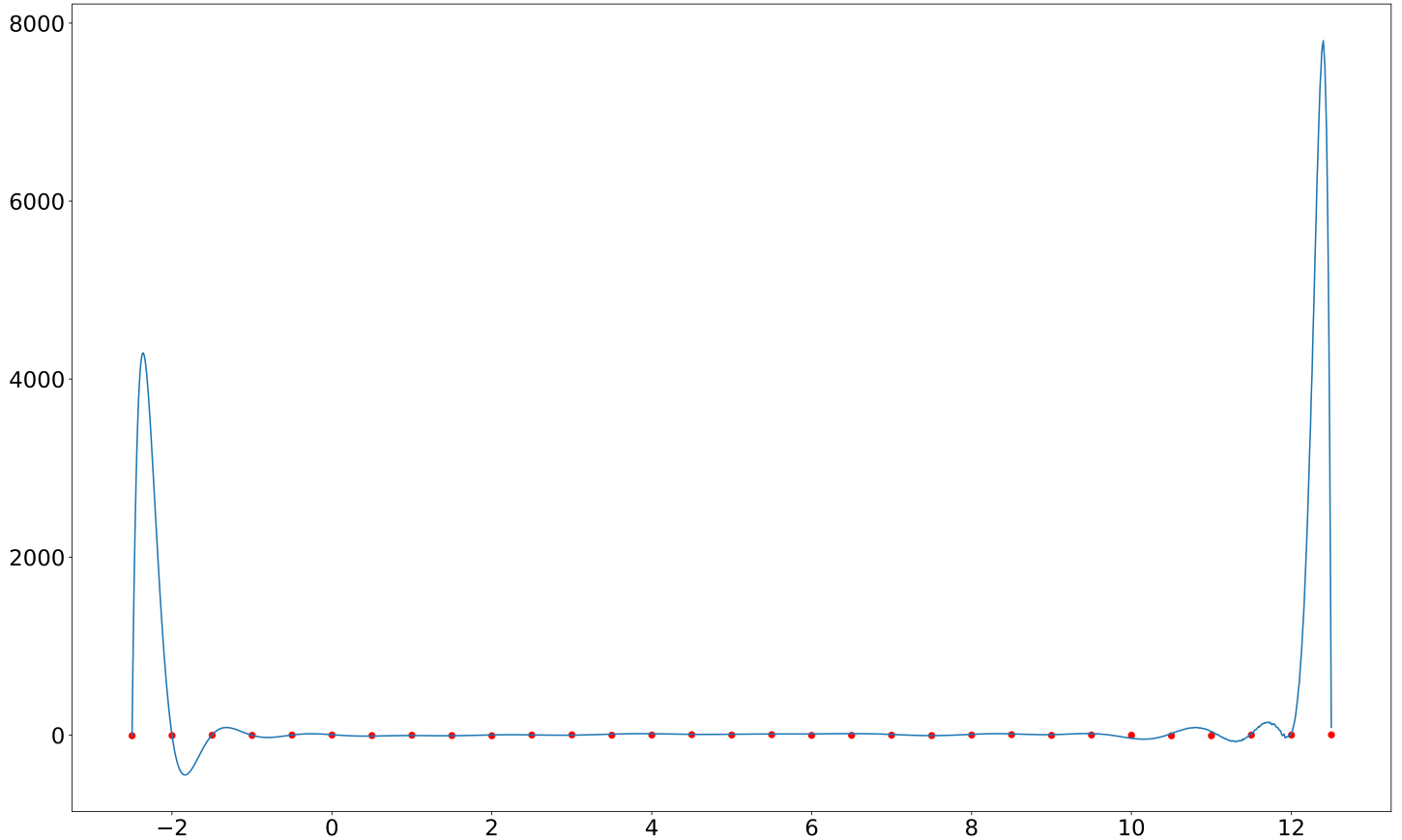


Polinômio:

$$\begin{aligned}
 p(x) = & +4.389999999998508 * x ** 0 + 7.087785714285474 * x ** 1 - \\
 & 53.74841349206443 * x ** 2 - 16.426791005292426 * x ** 3 + 90.0425224867711 * x * \\
 & * 4 + 10.320888888890266 * x ** 5 - 48.996466666666502 * x ** 6 - \\
 & 2.3569523809527517 * x ** 7 + 10.431174603174144 * x ** 8 + \\
 & 0.17506878306881313 * x ** 9 - 0.7488169312168934 * x ** 10
 \end{aligned}$$

Questão 4:

vandermond



Polinômio:

$$\begin{aligned}
 p(x) = & +4.89971746774799 * x **0 - 62.700573855454834 * x **1 - \\
 & 12.858547630302814 * x **2 + 266.6372737919863 * x **3 - 167.42871498327756 * \\
 & x **4 - 260.6319455711786 * x **5 + 295.83997577894036 * x **6 + \\
 & 15.196988499504487 * x **7 - 140.5830321010386 * x **8 + 55.145597502225186 * \\
 & x **9 + 13.720658452750207 * x **10 - 16.185391376533246 * x **11 + \\
 & 3.752755028556606 * x **12 + 0.6976435404996761 * x **13 - \\
 & 0.6029319811245432 * x **14 + 0.1370226839672413 * x **15 - \\
 & 0.003707109061738693 * x **16 - 0.005779877638820547 * x **17 + \\
 & 0.0017328992740727237 * x **18 - 0.000272529525842854 * x **19 + \\
 & 2.6231485158408643e - 05 * x **20 - 1.398643315691041e - 06 * x **21 + \\
 & 1.1218688405872669e - 08 * x **22 + 3.0753719782607167e - 09 * x **23 - \\
 & 4.9347801034552095e - 12 * x **24 - 3.1600302748167e - 11 * x **25 + \\
 & 3.2438295817041123e - 12 * x **26 - 1.7050574405026271e - 13 * x **27 + \\
 & 5.2726883904191845e - 15 * x **28 - 9.15122436126251e - 17 * x **29 + \\
 & 6.916393760329043e - 19 * x **30
 \end{aligned}$$