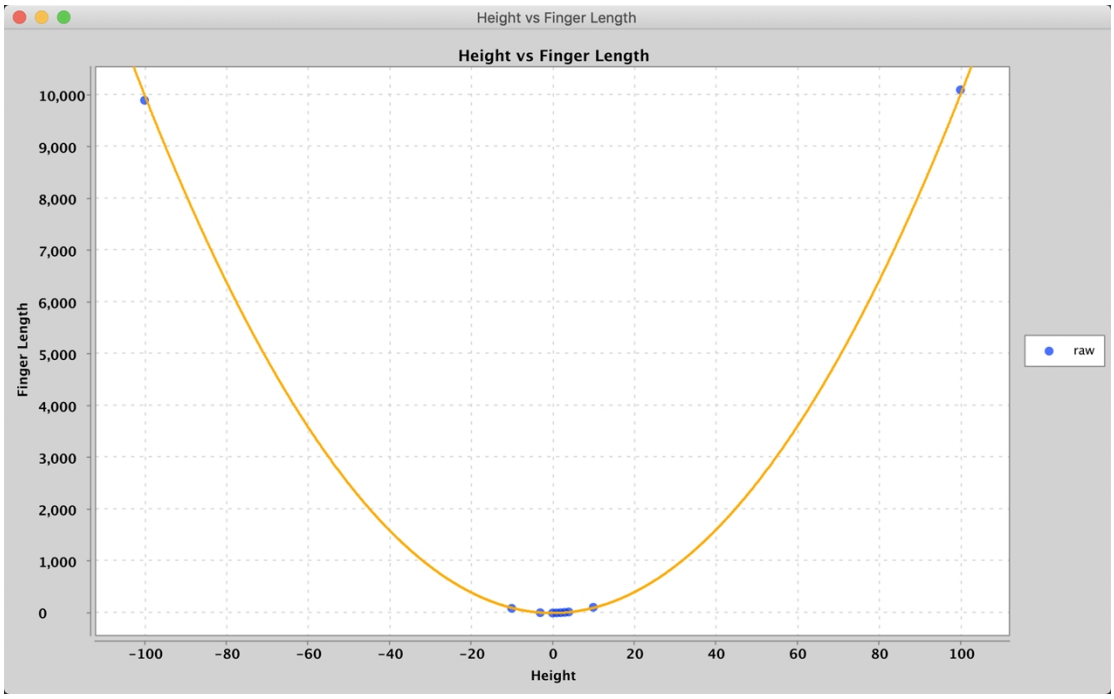
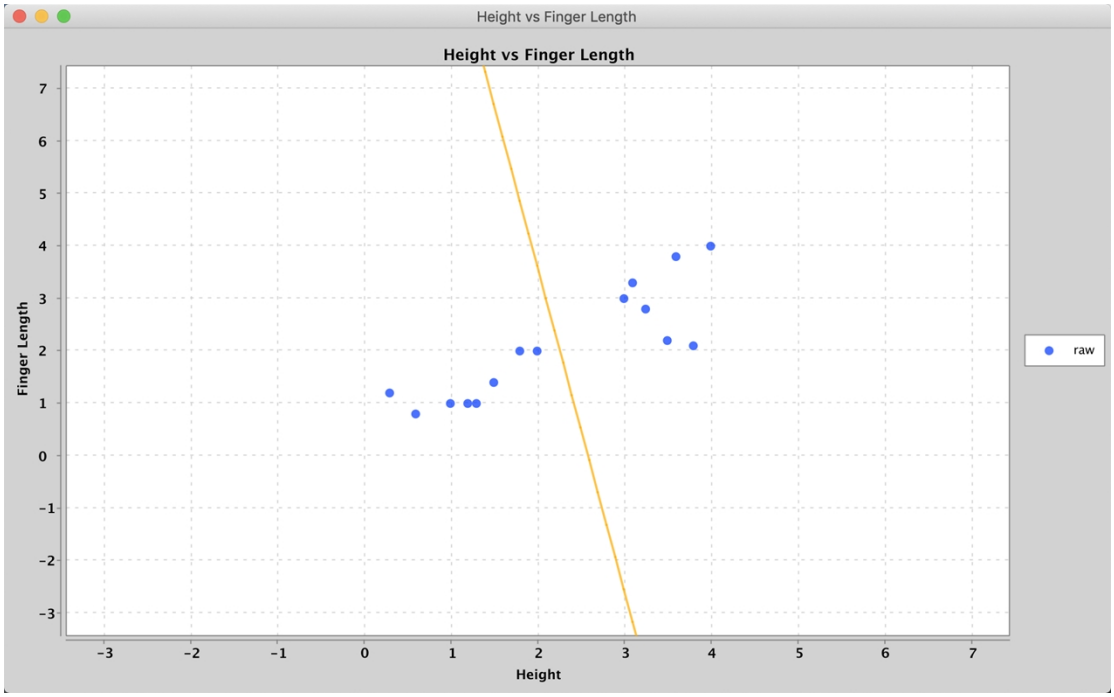
Q1:



The Final Equation: $h(x) = (1.000626982127530 * x^2) + (0.001602361044423306 * x) + 1.0269223566284111E-4$

where w2 is 1.000626982127530, w1 is 0.001602361044423306 and w0 is 1.0269223566284111E-4 (E = 4.8).

Q2:

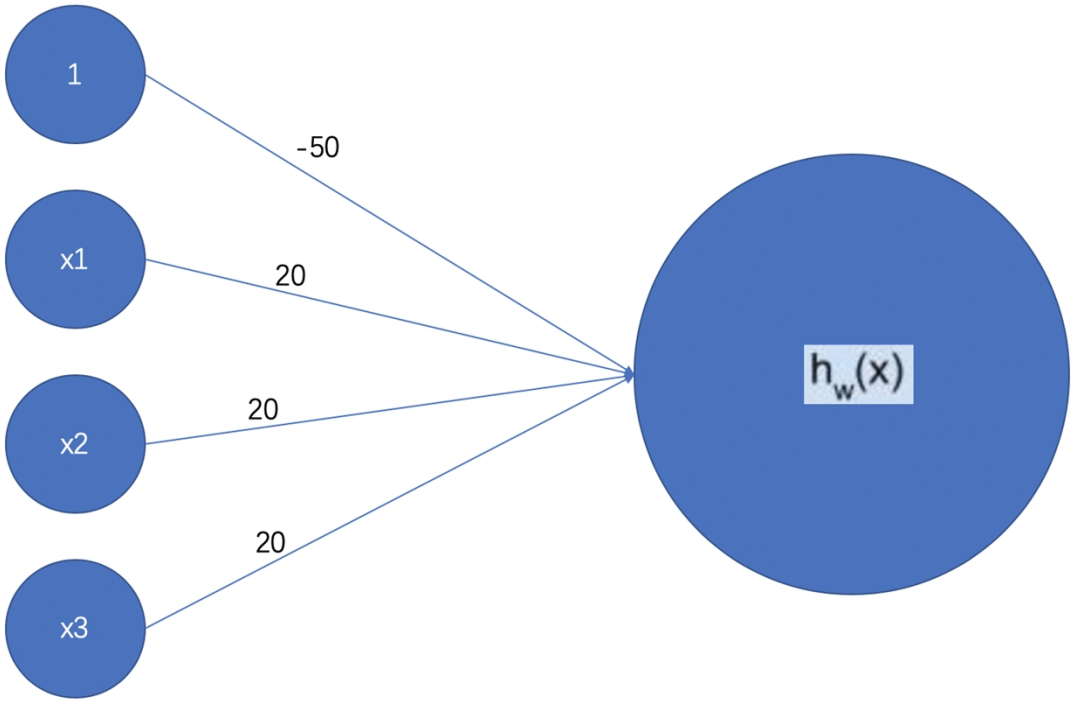


The Final Equation: (0.4269649724060421 * x_1) + (2.6341795976533957 * x_2) + (-6.816144929215791)

where w2 is 0.4269649724060421 w1 is 2.6341795976533957 and w0 is -6.816144929215791

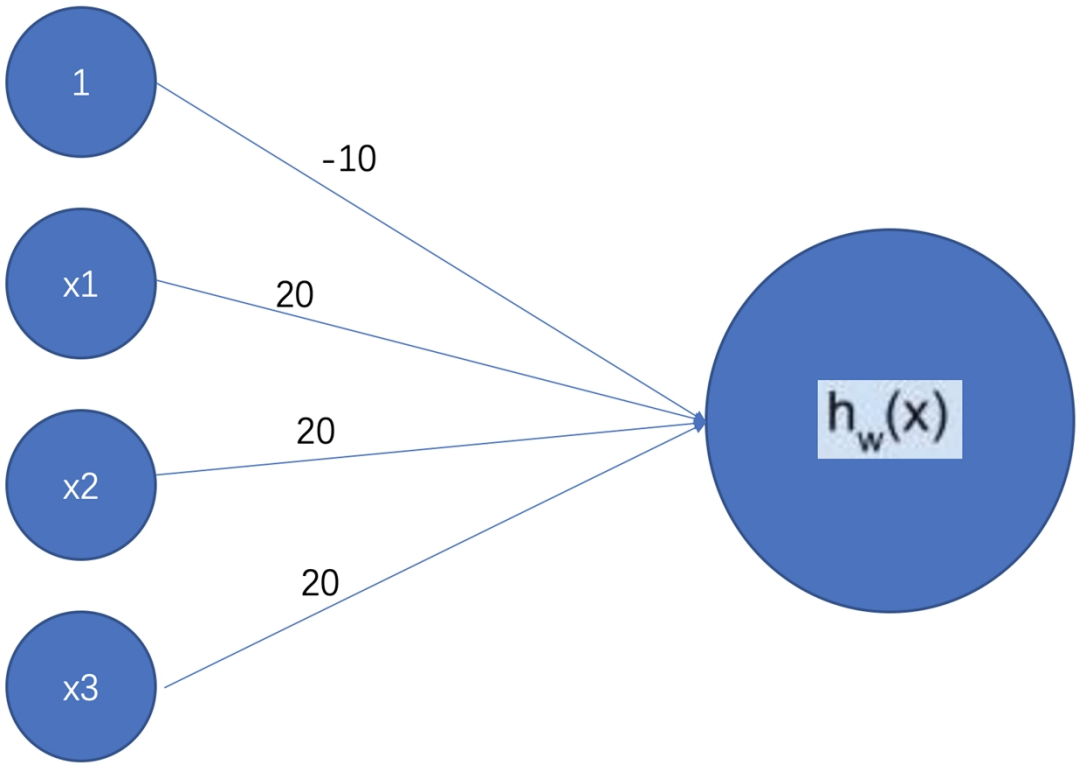
Q3

AND:



x1	x2	x3	z	g(z)
0	0	0	-50	0
0	0	1	-30	0
0	1	0	-30	0
1	0	0	-30	0
1	1	0	-10	0
0	1	1	-10	0
1	0	1	-10	0
1	1	1	10	1

OR:



x1	x2	x3	z	g(z)
0	0	0	-10	0
0	0	1	10	1
0	1	0	10	1
1	0	0	10	1
1	1	0	30	1
1	0	1	30	1
0	1	1	30	1
1	1	1	50	1