#1

Actually, all three points violate given constraints

Point (1, -2, 4) violates constrain g1, gives 0.25 in it, but must be less or equal to 0

Point (0.139762, 0.077109,-2.943324) violates h1, results in 0.4297412607470079, must be 0

Point (8.655485,-2.859871, 6.345261) also violates h1, gives 1648 rather than 0