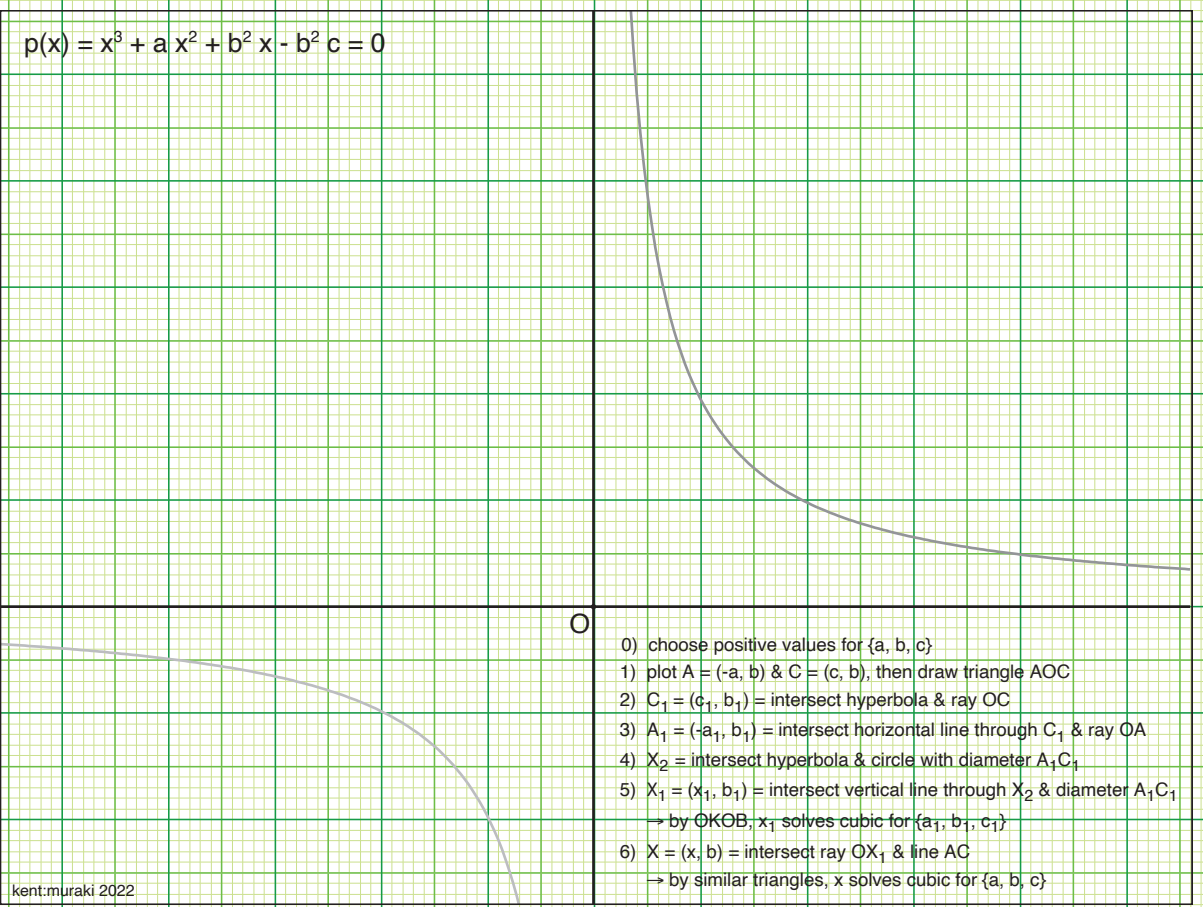
$p(x) = x^3 + a\,x^2 + b^2\,x - b^2\,c = 0$



0) choose positive values for {a, b, c}

1) plot A = (-a, b) & C = (c, b), then draw triangle AOC

2) $C_1 = (c_1, b_1)$ = intersect hyperbola & ray OC

3) $A_1 = (-a_1, b_1)$ = intersect horizontal line through C_1 & ray OA

4) X_2 = intersect hyperbola & circle with diameter A_1C_1

5) $X_1 = (x_1, b_1)$ = intersect vertical line through X_2 & diameter A_1C_1
   → by ∠OKOB, x_1 solves cubic for $\{a_1, b_1, c_1\}$

6) $X = (x, b)$ = intersect ray OX_1 & line AC
   → by similar triangles, x solves cubic for {a, b, c}