66.60 [oce] Given $p(x) = a_0 + a_1x + \cdots + a_nx^n$, $p \in \mathbb{Q}[z]$ such that $p(\alpha) = 0$, build a polynomial $q \in \mathbb{Z}[z]$ such that $q(\alpha) = 0$.

nomials with integer coefficients.

Exercises

So the definition of *algebraic* can be given equivalently with poly-