

Source: [KBe2020math530foIndex](#)

1 | ##exercise 2.A.17

- All polynomials have $(x + 2)$ as a factor, and therefore can be written in the form $(x + 2)f_j(x)$ where $f_j(x)$ has degree at most $m - 1$.
 - Because the $z^0, z^1, \dots, z^m + 1$ is a spanning list of \mathbb{P}_m
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