Python 05 Challenge!

Implement a Polynomial class with the following methods:

- ightharpoonup Construction from coefficients, or from x-y values
- Addition
- Evaluation at a point
- Differentiation and integration (to give new polynomials)
- ► Roots

Test your code on examples with known answers (e.g. from Wolfram Alpha).

Extra challenge: implement multiplication of two polynomials.

Does the code 5 + p work, where p is a Polynomial? Hint: look up the difference between __add__ and __radd__.