

EBA1180 Mathematics for Data Science
autumn 2024
Exercises

... if I couldn't formulate a problem in economic theory mathematically, I didn't know what I was doing.

R. Lucas

Lecture 6 and 7

Sec. 3.1-3, 4.7:

Linear and quadratic equations. Equations with parametres. Polynomial equations.

Here are recommended exercises from the textbook [SHSC].

Section **3.1** exercise 1-5

Section **3.2** exercise 2a, b, e, 4a, 5a, c

Section **3.3** exercise 1, 2, 6

Repetition I have translated the problems from 2017 and 2018, see It's Learning under «Lecture 6». The rest is from previous EBA exams, see the plan *Multiple choice problems*.

Multiple choice exam 2017 autumn, problem 1-4

Multiple choice exam 2018 spring, problem 1, 2 and 4

Multiple choice exam 2019 autumn, problem 6 and 7

Multiple choice exam 2020 autumn, problem 2 and 6

Multiple choice exam 2021 autumn, problem 2, 5 and 10

Multiple choice exam 2022 spring, problem 3 and 5