

Learning Objectives linked to Linear Equation Systems

Ultimate Objective: Correctly solve linear equation systems

Learning Objective I:
Create a model to solve linear equation systems based on theoretical foundations

Learning Objective I.1:
Learn the key components of linear equation systems

Learning Objective I.2:
Learn the relationships between the key components of linear equation systems

Learning Objective II:
Apply the developed model on a given linear equation system

Learning Objective II.1:
Understand the given task

Objective II.1.1:
Recognize the task

Objective II.1.2:
Identify what information the task already contains

Objective II.1.3:
Derive from the task which result is being sought

Learning Objective II.2:
Decide which solution method is suitable for the task

Objective II.2.1:
Recall suitable solution methods

Objective II.2.2:
Choose a suitable solution method for the given task

Learning Objective II.3:
Solve the linear equation system correctly

Objective II.3.1:
Apply the selected solution method

Objective II.3.1:
Verify the result for correctness