



MATURITNÉ OKRUHY Z PREDMETU MATEMATIKA

šk. rok: 2023/2024

OKRUHY:

Zadanie 1

- **Theory:** Mathematical Logic
- **Proof:** Sequences - Geometric
- **Problem:** Coordinate Geometry

Zadanie 2

- **Theory:** Number Theory
- **Proof:** Planimetry - Polygons
- **Problem:** Quadratic Equations

Zadanie 3

- **Theory:** Set Theory
- **Proof:** Planimetry – Circles
- **Problem:** Trigonometric Equations

Zadanie 4

- **Theory:** Number Sets and Polynomials
- **Proof:** Planimetry – Polygons
- **Problem:** Coordinate Geometry – Circles

Zadanie 5

- **Theory:** Theory of Proofs
- **Proof:** Planimetry – Triangles
- **Problem:** Applied Geometry

Zadanie 6

- **Theory:** Equations and Inequalities
- **Proof:** Planimetry – Triangles and Circles
- **Problem:** Stereometry – Cross Sections

Zadanie 7



- **Theory:** Functions – General Properties
- **Proof:** Quadratic Equations
- **Problem:** Planimetry – Triangles

Zadanie 8

- **Theory:** Functions – Linear
- **Proof:** Planimetry – Triangles
- **Problem:** Sequences

Zadanie 9

- **Theory:** Functions – Quadratic
- **Proof:** Number Theory
- **Problem:** Combinatorics

Zadanie 10

- **Theory:** Functions – Power Functions
- **Proof:** Quadratic Equations
- **Problem:** Stereometry

Zadanie 11

- **Theory:** Functions – Exponential
- **Proof:** Trigonometry
- **Problem:** Coordinate Geometry

Zadanie 12

- **Theory:** Functions – Sine and Cosine
- **Proof:** Sequences – Arithmetic
- **Problem:** Coordinate Geometry – Triangles

Zadanie 13

- **Theory:** Functions – Tangent
- **Proof:** Logarithmic Equations
- **Problem:** Functions – Exponential

Zadanie 14

- **Theory:** Functions – Inverse
- **Proof:** Number Theory
- **Problem:** Planimetry

Zadanie 15

- **Theory:** Sequences – Arithmetic



- **Proof:** Inequalities – Means
- **Problem:** Logarithmic Equations

Zadanie 16

- **Theory:** Sequences – Geometric
- **Proof:** Trigonometry – Identities
- **Problem:** System of Equations

Zadanie 17

- **Theory:** Functions – Logarithmic
- **Proof:** Planimetry
- **Problem:** Coordinate Geometry

Zadanie 18

- **Theory:** Planimetry – Triangles
- **Proof:** Arithmetic Expressions
- **Problem:** Stereometry

Zadanie 19

- **Theory:** Planimetry – Quadrilaterals
- **Proof:** Quadratic Equations
- **Problem:** Stereometry – Rotational Bodies

Zadanie 20

- **Theory:** Planimetry – Circles
- **Proof:** Stereometry – Rotational Bodies
- **Problem:** Combinatorics

Zadanie 21

- **Theory:** Symmetry and Transformations
- **Proof:** Coordinate Geometry – Quadrilaterals
- **Problem:** Probability

Zadanie 22

- **Theory:** Planimetry – Triangles
- **Proof:** Sequences
- **Problem:** Functions

Zadanie 23

- **Theory:** Stereometry – Solids
- **Proof:** Planimetry



- **Problem:** Exponential Equations

Zadanie 24

- **Theory:** Coordinate Geometry – Circles
- **Proof:** Planimetry
- **Problem:** Functions

Zadanie 25

- **Theory:** Absolute Value
- **Proof:** Number Theory
- **Problem:** Statistics

Zadanie 26

- **Theory:** Coordinate Geometry – Lines
- **Proof:** Stereometry
- **Problem:** Functions – Rational

Zadanie 27

- **Theory:** Probability
- **Proof:** Trigonometry
- **Problem:** Planimetry – Positional Properties

Zadanie 28

- **Theory:** Stereometry – Metric and Positional Properties
- **Proof:** Number Theory
- **Problem:** Sequences

Zadanie 29

- **Theory:** Combinatorics
- **Proof:** Planimetry – Triangles
- **Problem:** Trigonometry

Zadanie 30

- **Theory:** Statistics
- **Proof:** Sequences
- **Problem:** Inequalities