



## 2026 OWLympiad Math Competition

### *Rules:*

- This is a team exam.
- There are 60 multiple-choice and 10 open-ended questions.
- Teams will have 70 minutes to complete the exam.
- No calculators may be used.





## *2026 OWLympiad Team Exam Syllabus*

Teams should be able to use and apply the following mathematical concepts:

### **1. Algebra I & II (40%)**

- Functions and Graphs
- Expressions, Equations, Inequalities
- Linear and Quadratic Equations
- Polynomials and Factoring
- Radical Functions and Rational Exponents
- Number Sense, Sequences, Series

### **2. Geometry (10%)**

- Similarities and Congruencies
- Lines, Triangles, Circles
- Perimeter, Area, Volume
- Geometric Theorems and Proofs

### **3. Pre-calculus (20%)**

- Polynomial and Rational Functions
- Exponential and Logarithmic Functions
- Trigonometric Functions and Identities
- Vectors and Matrices

### **4. Statistics and Probability (20%)**

- Set Operations and Probability Rules
- Independence and Conditional Probability
- Combinations and Permutations
- Random Variables, Distributions, Expected Value

### **5. Calculus (10%)**

- Limits and Continuity
- Derivatives
- Anti-derivatives
- Applications