

# CLUBS

## “ Entertaining mathematics»

For the talented students in mathematics who have the highest results in Olympiads there is a scholarship of academician “Kori Niyazi”.

Topics for the course:

1. Studying of general equations of the 2<sup>nd</sup> order curves.
2. The theorem of Kronecker and Copelle
3. Invariants of the 2<sup>nd</sup> order curves.
4. Gamma functions and their properties.
5. Vector functions of the scales arguments
6. 2-dimensional integrals, their properties and calculation
7. The integral of Euler-Poisson
8. Usage of two dimensional integrals in mechanics
9. Three-dimensional integrals, their properties and calculation
10. Usage of three dimensional integral in mechanics