

**Scholastic Year: 2017 - 2018**

**Class: SE1 → SE2 (Humanities)**

**Make-Up exam**

## ***Math***

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**Subject:** Concepts required for the Math Make-Up Exam

**1. First Degree Equations in one unknown.**

(solving equations with absolute value – solving problems using first degree equations).

**2. Linear Inequalities in one unknown.**

(solving inequalities and systems of inequalities in one unknown – solving problems using first degree inequalities).

**3. linear systems.**

(a system of linear equations ( $2 \times 2$ ) of two equations in two unknowns- regional solution of linear systems ( $2 \times 2$ ) of first degree inequalities in two unknowns ).

**4. Study of functions .** (Domain of definition – representative curve– parity of a function – sense of variation of a function – Extremum of a function – graphical reading and table of variations of a function – draw the representative curve of a function – graphical solution of an equation and an inequality – graphical comparison of two functions on an interval).

**5. Polynomials.** (null polynomial – equal polynomials – identical polynomials – solution of a polynomial- reduce and order a polynomial, operations on polynomials – Factorization of a polynomial – Euclidean division).