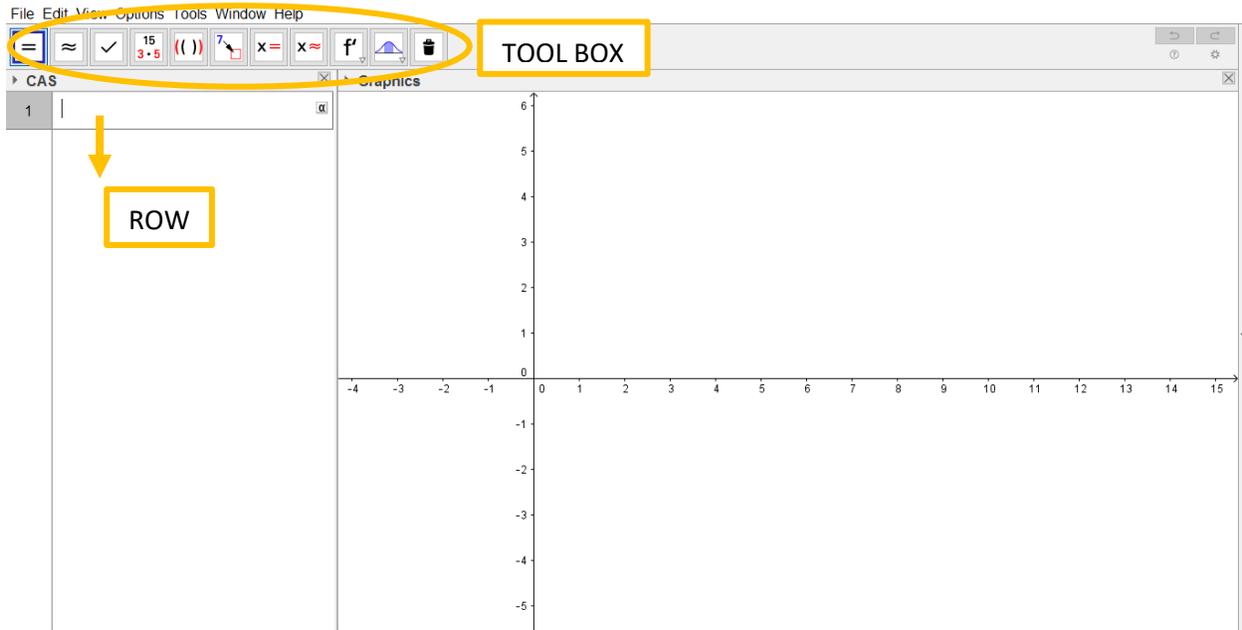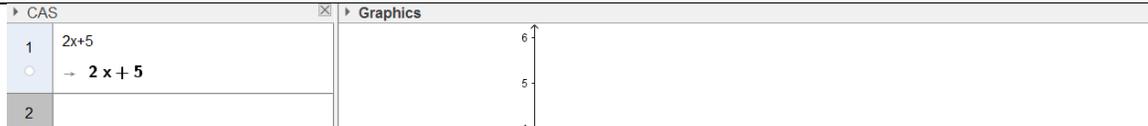# Introducing CAS

CAS is the acronym for Computer Algebra System. Choose CAS perspective by clicking on File and then click 'CAS', the following screen will appear. A CAS is a software that is used to manipulate mathematical expressions and symbols like manual computations.
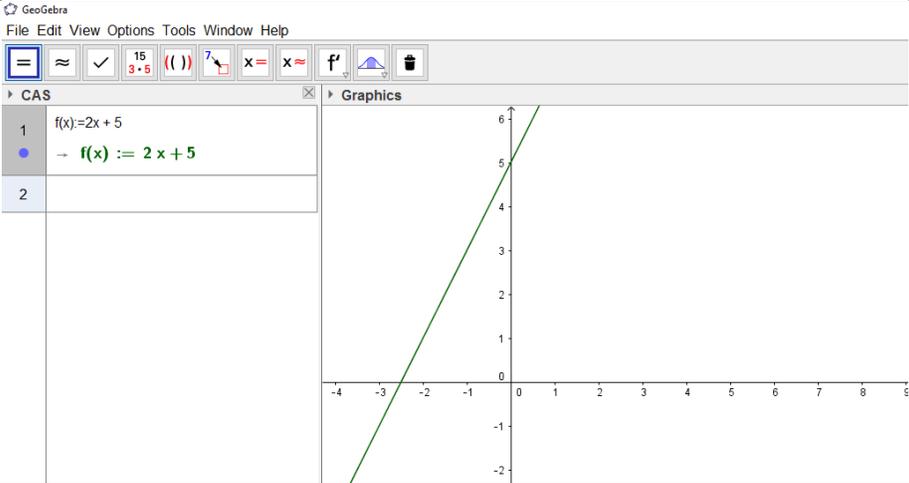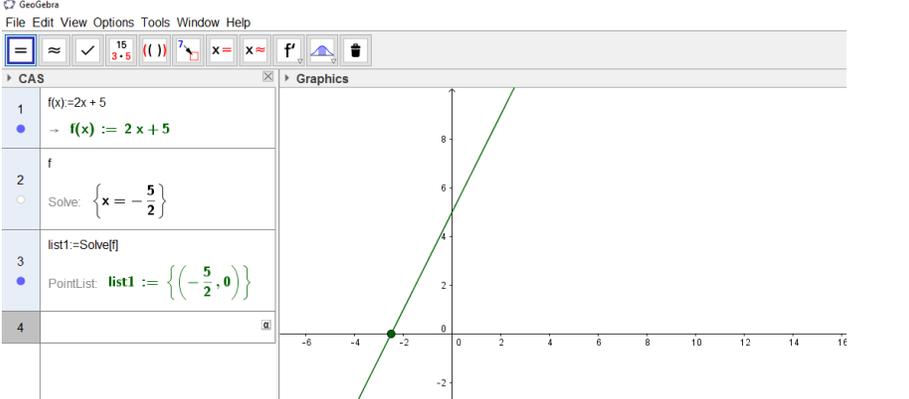
TOOLS

=	Symbolic Evaluation – It evaluates the expression in the CAS row.
X=	Solve for x – it solves one or more equations in CAS row.

Instructions

1	Type an expression in Row: like $2x + 5$ then click =

2	Then click on the white button, called 'show button', below the row number – it implies to show the expression in 'graphics'.
3	You may retype the whole expression once again **or** copy and paste the expression **or** simply type 'f' (since the software allots it as f(x)" then select ![x=]. It will solve the equation.
	Solve: $\{x = -\frac{5}{2}\}$ will be dispalyed in row 2
4	In row 3 again type as typed in row 2 and then solve Then click on show button on row 3

You can now try using a different expression or equation say quadratic. When typing exponents, we use '^' which is obtained by using a combination of keys [Shift][6]. Thus to input $2x^2 - 4x + 3$, type as : 2x^2 – 4x + 3