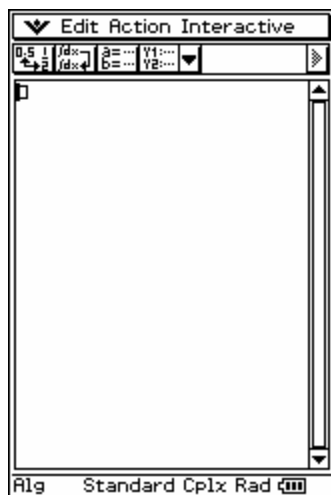
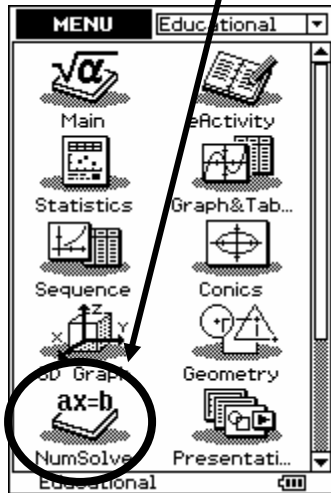


Algebraic manipulation and solving equations.

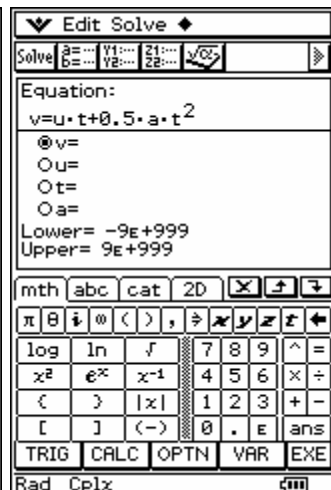
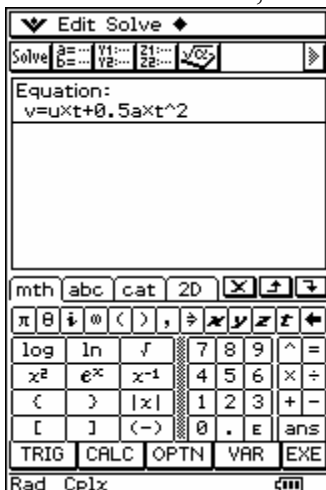
1. Enter into the **NumSolve** icon.

This area of the ClassPad 300 will calculate numerical solutions to algebraic equations.



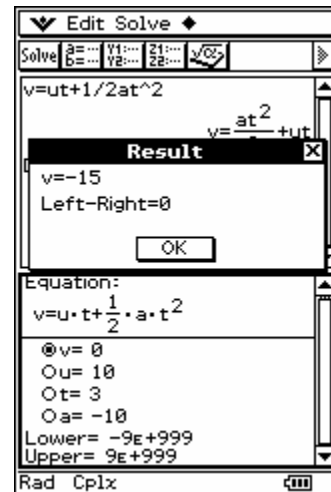
Enter in the equation you are to solve and tap **EXE**.

Example: Solve $v = ut + \frac{1}{2}at^2$
With $u = 10$, $t = 3$ and $a = -10$

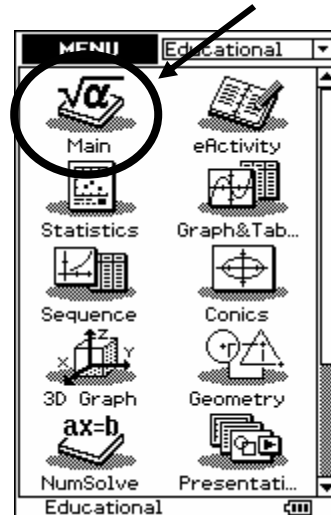


Enter in the values of the variables 'u', 't' and 'a'. Then place the dot into the variable 'v', as this tells the ClassPad 300 what variable is to be calculated to solve the problem.

Tap **Solve** to get the solution as shown below.



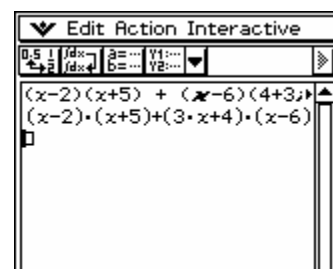
2. Enter into the **Main** icon.

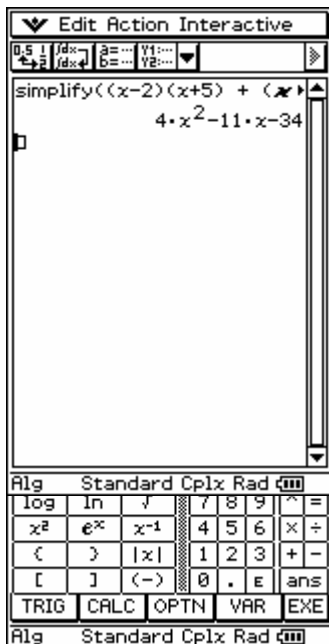


This area of the ClassPad 300 will calculate algebraic and numerical solutions to algebraic equations and will perform algebraic manipulations on algebraic expressions.

Example: Simplify $(x-2)(x-5)+(x-6)(4-3x)$

Enter in the expression and tap **EXE**. Now highlight the expression and tap **Interactive** and select **Transformation** and then **simplify** finally tap **EXE**.





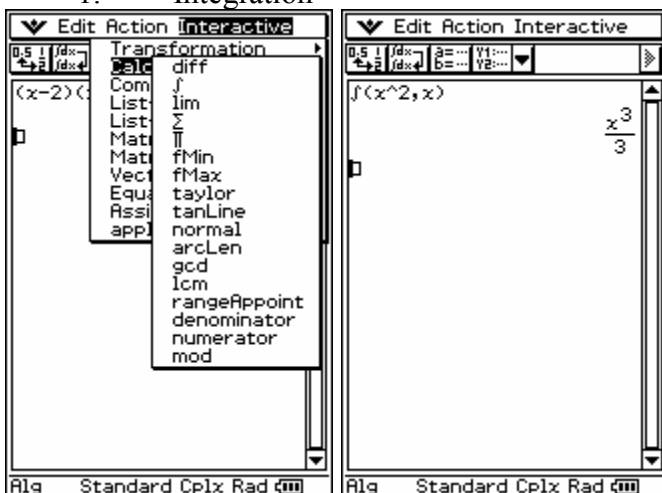
Illustrating that $(x-2)(x+5)+(x-6)(4-3x) = 4x^2 - 11x - 34$

Rules to follow:

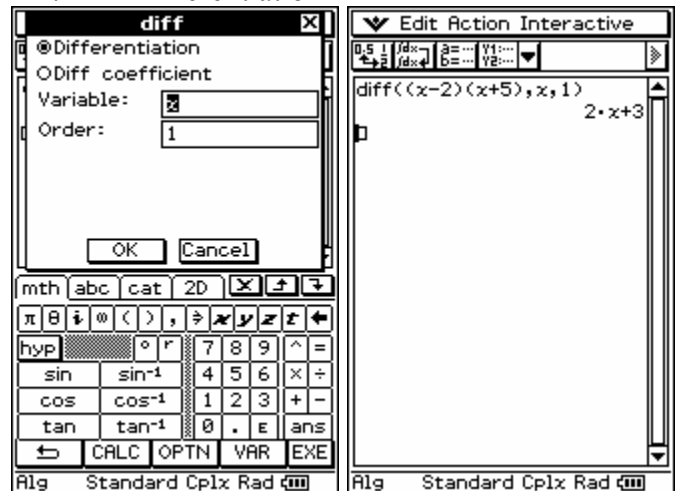
- Enter in the expression or equation first.
- Highlight the expression or equation entered by tapping and dragging across the expression or equation.
- Select Interactive and then the operation that is required.
- Tap **EXE**.

Try the following:

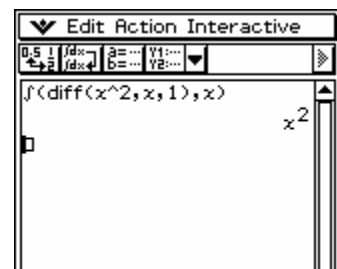
1. Integration



2. Differentiation

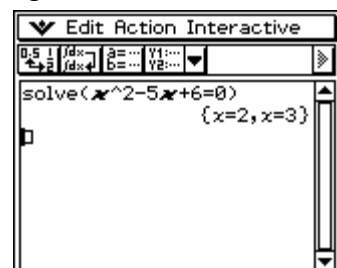


3. Integration and Differentiation Combined.



Illustrating the Fundamental theorem of Calculus

4. Solving



5. Expanding expressions

