

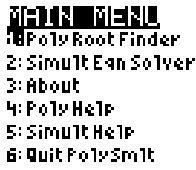
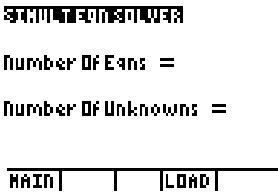


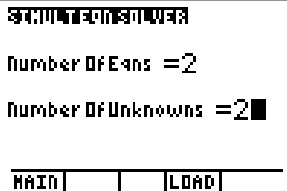
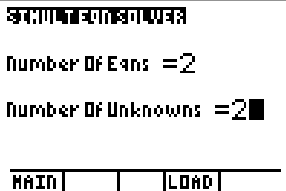
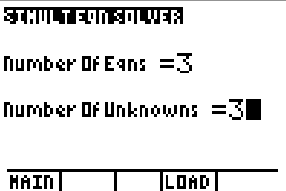
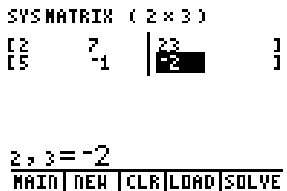

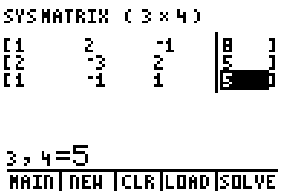
PolySmlt – the Smlt bit

PolySmlt is one of the APPS you are allowed to have installed on your calculator. If you cannot see it in the list when you press **[APPS]** then either ask your teacher or download it from <http://education.ti.com>
It is made up of two parts: Poly for solving polynomials (see separate sheet) and Smlt (covered here) for solving simultaneous equations.

Starting PolySmlt

 <p>Press [APPS], select PolySmlt and press [ENTER]</p>	 <p>The welcome screen; press any key to proceed to....</p>	 <p>... the main menu. Select "2" to go to....</p>	 <p>... the simultaneous equation solver.</p>
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Using PolySmlt

<p>When you have two equations and two variables. eg:</p>	$7y = 23 - 2x$ $5x = y - 2$	$2x = y - 4$ $y + x = 5$	$x + 2y - z = 8$ $2x - 3y + 2z = 5$ $x - y + z = 5$
<p>Rearrange both the equations so they are of the form $ax + by = c$</p>	$2x + 7y = 23$ $5x - y = -2$	$2x - y = -4$ $x + y = 5$	<p>Note: This example is actually three equations with three unknowns. Such problems often occur in vectors.</p>
<p>Tell PolySmlt how many equations and unknowns you have....</p>			
<p>... and then enter a, b and c for all your equations. Note: Make sure you use the negative [(-)] key rather than the subtract one [=].</p>			
<p>Press [GRAPH] (under "Solve" in the menu at the bottom of the screen) and there are your answers. Note: X_1 is x, X_2 is y etc</p>	