

Inequalities (linear or other) can be solved using a step by step method or simply by using the **solve** command.

Enter $3 - 4x > 9$, followed by the step by step method shown below.

The solve command will solve in one step.

Note how ClassPad deals with *any* and *no* real solutions below.

ClassPad II interface showing the step-by-step solution of the inequality $3 - 4x > 9$. The input is $3 - 4x > 9$. The first step shows $-4 \cdot x + 3 > 9$. The second step shows $\text{ans} - 3$. The third step shows $-4 \cdot x > 6$. The final step shows $\text{ans} / -4$ resulting in $x < -\frac{3}{2}$.

ClassPad II interface showing the single-step solution of the inequality $3 - 4x > 9$ using the **solve** command. The input is $3 - 4x > 9$. The output is $\text{solve}(\{x < -\frac{3}{2}\})$.

ClassPad II interface showing the **solve** command for an inequality with no real solutions. The input is $x + 2 \geq x$. The output is $\text{solve}(\{x = x\})$ resulting in **No Solution**.