

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.

3 - 4x > 9

$$-4x + 3 > 9$$

ans -3

$$-4x > 6$$

ans / -4

$$x < -\frac{3}{2}$$

Math1 Math2 Math3 Trig Var abc

Line $\frac{\Box}{\Box}$ $\sqrt{\Box}$ π \Rightarrow
Define f g i ∞
solve(dSlv ' { $\frac{\Box}{\Box}$ } |
< > () { } []
\leq \geq = \neq \angle
\leftarrow \rightarrow \leftarrow \rightarrow ans EXE

Alg Standard Real Deg

3 - 4x > 9

$$-4x + 3 > 9$$

solve(dSlv ' { $\frac{\Box}{\Box}$ } |

$$\left\{ x < -\frac{3}{2} \right\}$$

Math1 Math2 Math3 Trig Var abc

Line $\frac{\Box}{\Box}$ $\sqrt{\Box}$ π \Rightarrow
Define f g i ∞
solve(dSlv ' { $\frac{\Box}{\Box}$ } |
< > () { } []
\leq \geq = \neq \angle
\leftarrow \rightarrow \leftarrow \rightarrow ans EXE

Alg Standard Real Deg

x + 2 ≥ x

$$x + 2 \geq x$$

solve(dSlv ' { $\frac{\Box}{\Box}$ } |

$$\{ x = x \}$$

x + 2 ≥ x + 3

$$x + 2 \geq x + 3$$

No Solution

Math1 Math2 Math3 Trig Var abc

Line $\frac{\Box}{\Box}$ $\sqrt{\Box}$ π \Rightarrow
Define f g i ∞
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Alg Standard Real Deg