

## Using “solve(” to solve systems of non-linear equations.

Type solve(

enter equations with “\_and\_” in between each equation (Note: the \_ means space)

type a comma and then the variables wanted in brackets {,x,y,z,t,...,v} and close with parenthesis )

see example below

### Left half of screen

F1+ Tools	F2+ Algebra	F3+ Calc	F4+ Other	F5 Pr9ml0	F6+ Clean Up	
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■ solve(x·y = 1 and x + y = 7 ▶  
 $x = \frac{3 \cdot \sqrt{5} + 7}{2}$  and  $y = \frac{-(3 \cdot \sqrt{5})}{2}$  ▶

solve(x\*y=1 and x+y=7, {x, ...

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### Right half of screen

F1+ Tools	F2+ Algebra	F3+ Calc	F4+ Other	F5 Pr9ml0	F6+ Clean Up	
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■ ◀ y = 1 and x + y = 7, {x y})  
◀  $\frac{-(3 \cdot \sqrt{5} - 7)}{2}$  and  $y = \frac{3 \cdot \sqrt{5} + 7}{2}$

...e(x+y=1 and x+y=7, {x, y})

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