

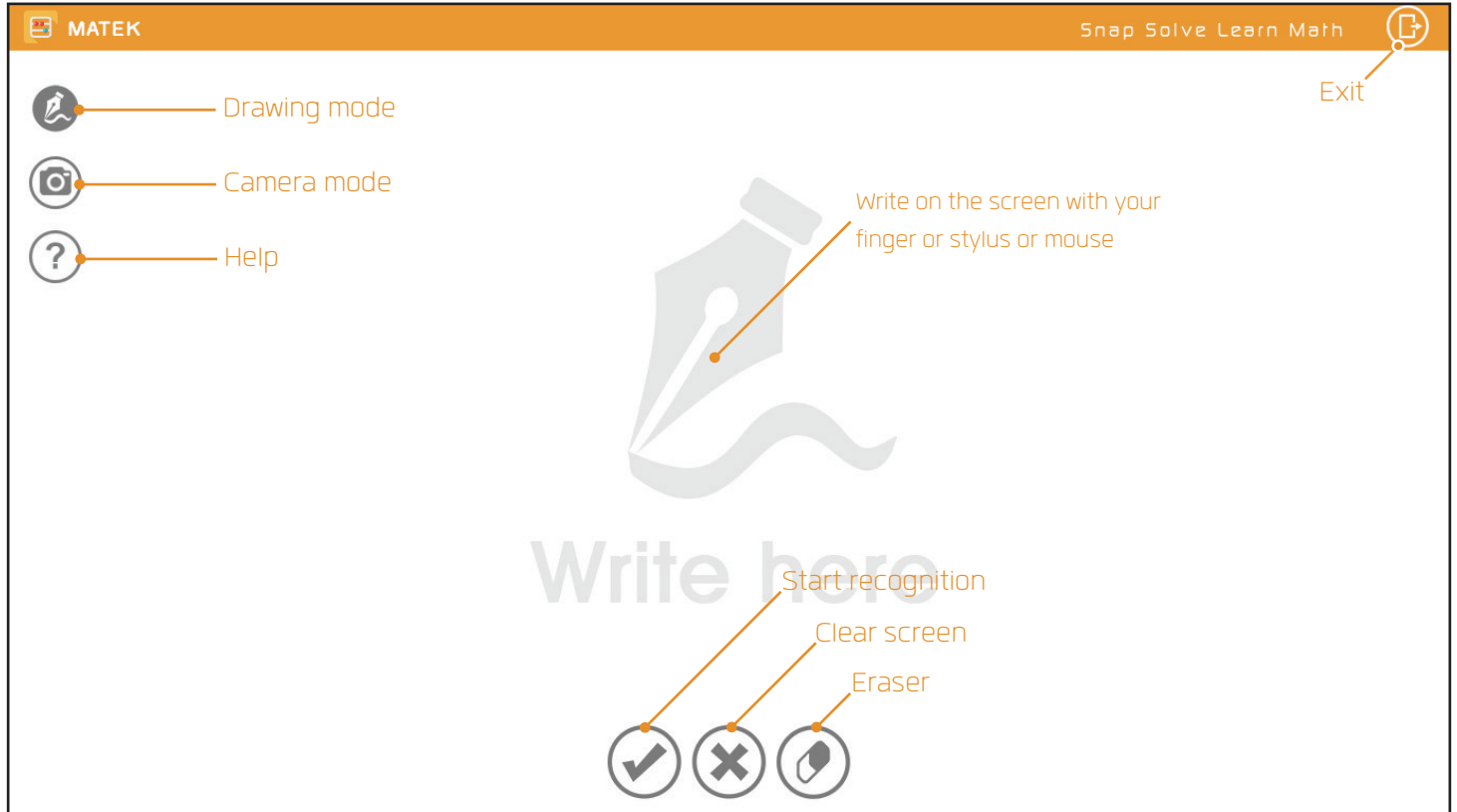
MATEK

Snap Solve Learn Math

V1.0

User guide

Main functions on main screen



Drawing

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**Draw on the screen the equation
what you want to solve and press
the "finish" button!**


$$4x - 7 = 8(x + 3)$$


Click here when you
finished the drawing




Click here to erase a
part of the drawing



Camera capture

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Click here to use camera mode

$4x - 1 = 8(x + 3)$

You can use your webcam also to capture equations, please note: use clear, separated characters with high contrast!




Click on the button or the screen to take a snapshot



Camera capture

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You can use your webcam also to capture equations, please note: use clear, separated characters with high contrast!

For better and faster result please always select the equation by click or tap on the screen.




$4x - 1 = 8(x + 3)$

If the snapshot is clear and high contrast click here to start the recognition

Click here to start the camera over

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$\frac{6x+8}{4} = 12x - 71x + 7$

$\frac{38x}{2} = \frac{7x^2 - 8}{6(x-2)}$

$\frac{4x}{2} = 12x - 71x + 8$

$9x - 7 = \left(\frac{8x}{2}\right)^2$



Some important notes

✓
$$\frac{2x + 8}{2} = 72$$

✗
$$\frac{2x + 8}{2} = 72$$

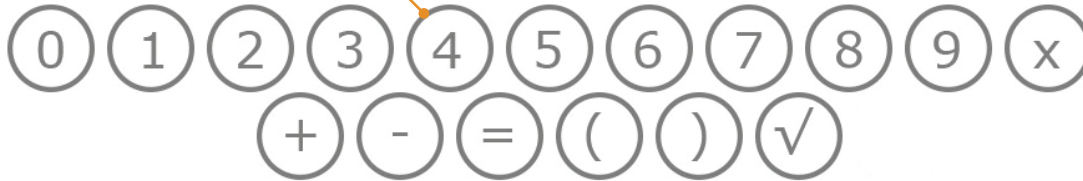
For better result please try to write with clear, not connected, high contrast characters. If you use camera mode please try to use white paper and high contrast pen. If you want to capture from squared paper the high contrast is even more important!

A collection of handwritten mathematical expressions on a grid background, each marked with a green checkmark (✓) or a red cross (✗) to indicate the quality of the handwriting for OCR recognition.

- $\frac{32x}{67} = 8x - 12(x+6)$ (✗)
- $9x - 7 = \left(\frac{8x}{2}\right)^2$ (✓)
- $\frac{6x+8}{4} = 12x - 71x + 7$ (✗)
- $\frac{4x}{2} = 12x - 7 +$ (✓)
- $\frac{38x}{2} = \frac{7x^2 - 8}{6(x-7)}$ (✓)
- $2x + 8 = 4x - 7$ (✗)

Some important notes

The list of characters what you can use



In this software version you can solve linear and quadratic equations with one variable (which should be "x")



$$3x + 7 = 12$$



$$\frac{3(x - 1)}{2} = \frac{1}{2}x$$



$$\frac{x^2}{10} = 8x - 7$$



$$x^3 + 2x^2 = 12x - 5$$





$$\sin x + 2 = \frac{12}{2x}$$






$$2y + 8 = 3y - 12$$

Result of the recognition

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This is the result of the recognition

$$4x - 1 = 8(x + 3)$$

On this screen you check if the recognition is correct, on this screen you can correct the result and get help to solve it.

Edit the equation





Back



Hint (Help for the next step)


Full solution step by step


Copy to clipboard






Show on diagram

Expression editor

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You can change, move, resize the selected character


Here you can edit the recognized expression. You can change, insert, move a character and choose the correct result.

$$4x - 1 = 8(x + 3)$$

$4x - 1 = 8(x + 3)$ $4x - 1 = 8x553$ $4x - 1 = 8(x - 3)$

Choose the correct result

With keyboard, you can change the selected character, or insert a new one if there is no selection



0

1

2

3

4

5

6

7

8

9

x

+

-

=


(


)




√

🗑️

Functions - Hint


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$$4x - 1 = 8(x + 3)$$


An idea for the next step

Add 1 to both sides. 

Further information and explanation about this step for better understanding

If you need just a little help to find the next step, push the "Hint" button and you will get an idea what you can do to step forward.






$$4x - 1 = 8(x + 3)$$

Add 1 to both sides. 

$$4x = 8(x + 3) + 1$$

Push the "Hint" button again, you can see the next step.

You can change, move, resize the selected character



Functions - Full solution

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$$4x - 1 = 8(x + 3)$$

Add 1 to both sides.

$$4x = 8(x + 3) + 1$$

Subtract $8(x + 3)$ from both sides.

$$4x - 8(x + 3) = 1$$

Distribute 8 over $x + 3$, we get $8x + 8 \cdot 3$.

$$4x - 8x - 24 = 1$$

Combine like terms in $4x - 8x$, we get $-4x$.

$$-4x - 24 = 1$$

Add 24 to both sides.

$$-4x = 25$$

Divide both sides by -4 .

$$x = -\frac{25}{4}$$

Click here to get
the full solution






Full solution shows you all the important steps to solve the equation. If you need further explanation for understanding click on the "info" button!

Functions - Share

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With share function you can copy the equation, graph or the solution into an email or any document.





$$4x - (x + 3)$$

Expression is copied to the clipboard.

OK

Document - WordPad

4x - 1 = 8(x + 3)
Add 1 to both sides.
4x = 8(x + 3) + 1
Subtract 8(x + 3) from both sides.
4x - 8(x + 3) = 1
Distribute 8 over x + 3, we get 8x + 8 · 3.
4x - 8x - 24 = 1
Combine like terms in 4x - 8x, we get -4x.
-4x - 24 = 1
Add 24 to both sides.
-4x = 25
Divide both sides by -4.
x = - $\frac{25}{4}$



Push this button to copy the solution on the clipboard

Functions - Diagram

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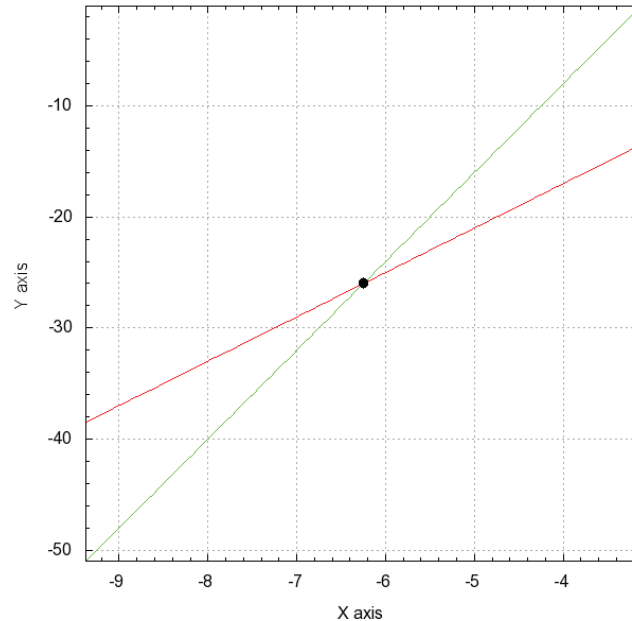
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$$y = 4x - 1$$



$$y = 8(x + 3)$$



With this function you can check the graphical solution of the equation.



Push this button and show the solution on a diagram