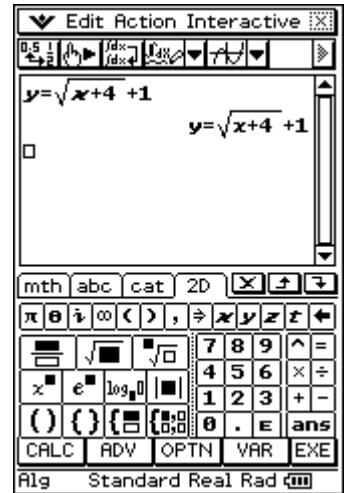


Start in Main.

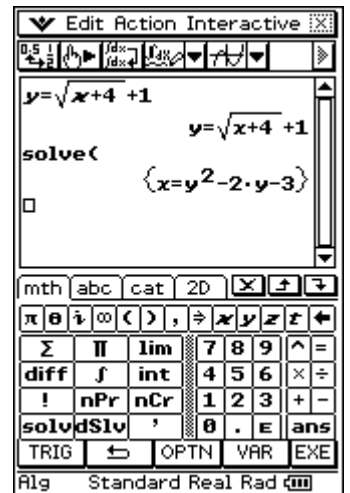
Find the inverse of $y = \sqrt{x+4} + 1$.

Enter the function.



Tap the **mth** tab, **CALC**, **solv** and **EXE**.

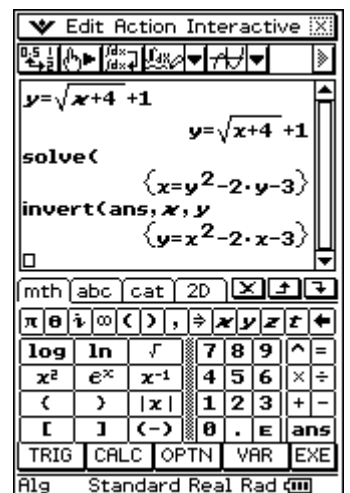
By default Classpad solves the equation on the previous line for x.



Tap **Action**, **Assistant**, **invert**.

Tap **ans**, **x**, **y**.

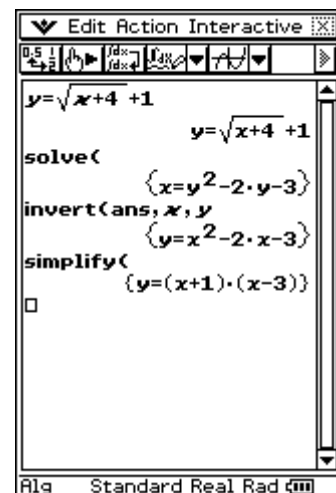
Classpad swaps the variables x and y and we have an inverse function.



It's often worth asking Classpad to simplify any result.

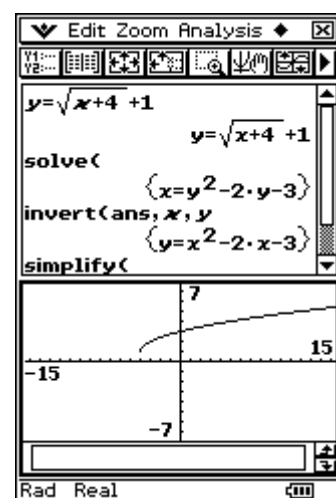
Tap **Action**, **Transformation**, **simplify** and **EXE**.

The inverse can also be expressed in factored form.



Open a graph window, drag in the original function and adjust the scale.

(The window shown used *Zoom*, *Quick Initialize*, *Zoom*, *Zoom Out*.)



Tap **Analysis**, **Sketch**, **Inverse**.

The inverse is drawn.

Tap **Analysis**, **Trace** and tap the up cursor key.

An algebraic function is displayed at the bottom of the graph window, but Classpad has simply interchanged x and y .

We still need to solve this function for y as above in order to obtain the inverse function.

