

## CALCULATOR INSTRUCTIONS

# Chapter 1

## Example 6

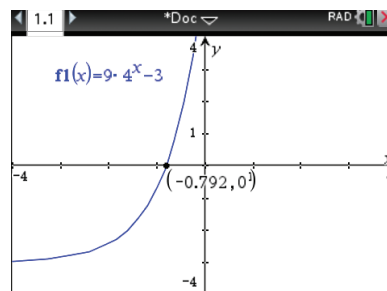
### TI-Nspire CX

Select the **Graph** screen.

Enter  $f_1(x) = 9 \times 4^x - 3$ .

Set the window values to  $-4 \leq x \leq 4$  and  $-4 \leq y \leq 4$  and draw the graph.

Press **menu** and select 6: Analyse Graph. Select 1: Zero and set the lower and upper bounds. The zero is displayed.



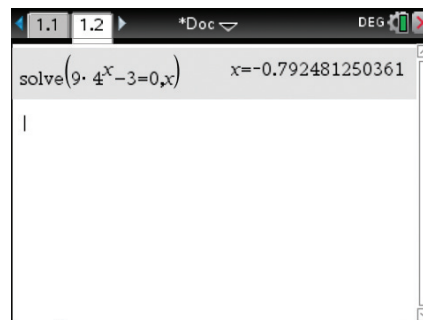
### Alternative method

Select the **Calculator** screen.

Press **menu** and select 3: Algebra and then 1: Solve.

Enter ' $9 \times 4^x - 3 = 0, x$ ' inside the brackets and then press **ctrl** **enter**.

The solution is displayed.



## Investigation – Logarithmic graphs

### TI-Nspire CX

Select the **Graph** screen.

Enter  $f_1(x) = \log_2(x)$ .

Adjust the window values as required and draw the graph.

