Using exponents on the *f*x-82MS calculator

Eg V = I.R

Find I if V=9 and R= 56KΩ

I = V/R

= 9/ 56,000

9/ 56000 = 0.000160714 A

x 1000 = 0.1607 mA

using exponents:

= 9/ (56 x 10^3)

on the *f*x-82:

Try these:
1EXP3= 1000 (K)

1EXP-3= 0.001 (m)

9÷56EXP3= 0.000160714 (Amps)

x1000= 0.1607 mA

and also using the Engineering function;

9÷56EXP3= 0.000160714

ENG 160.71 x 10^{-6} (µA)

Example 2:

Three resistors are connected in parallel.
Find the total R if R1 = 2K2, R2 = 4K7, and R3 = 3KΩ

1/RT = [(1÷R1) + (1÷R2) +(1÷R3)]

    = (1÷2200) + (1÷4700) + (1÷3000)

on the fx-82:

(1÷2200) + (1÷4700) + (1÷3000)   = 1 x 10^{-03}

x^{-1} = 1000Ω

Notes: To reset the calculator: SHIFT, CLEAR, 3, =

            To reset the memory (M):   0, SHIFT, STO, M+