

- Check to see if there are any logarithms that you can take out of the problem, evaluate, and replace.
  For example, log 28 could be replaced with 3.
- If the equation is written in exponential form, rewrite it in logarithmic form. If the equation is written in logarithmic form, rewrite it in exponential form.
- Solve the remaining equation!
- Check your answer using your calculator's store function.

log√10

$$\log_{2x} 80 = 2$$

$$4\left(\log_3\frac{1}{27}\right) = x$$

 $\log_{3}(5x + 7) = 2$ 



 $\log_{12} 12^{2n} = x_{1}$