

• Use the 3 laws of logarithms to consolidate each side into one logarithm!!!!

• Once there is only one logarithm on each side of the equation, you may ignore the "log" part and set the insides of the logs equal to each other:

i.e. $\log(x+2) = \log(x^2)$
↓
 $x+2 = x^2$

$$\log(\text{house} + \text{trees}) = \log(\text{"HOME"})$$

$$\cancel{\log}(\text{house} + \text{trees}) = \cancel{\log}(\text{"HOME"})$$

$$\text{house} + \text{trees} = \text{"HOME"}$$

• Now solve like a normal equation silly!