

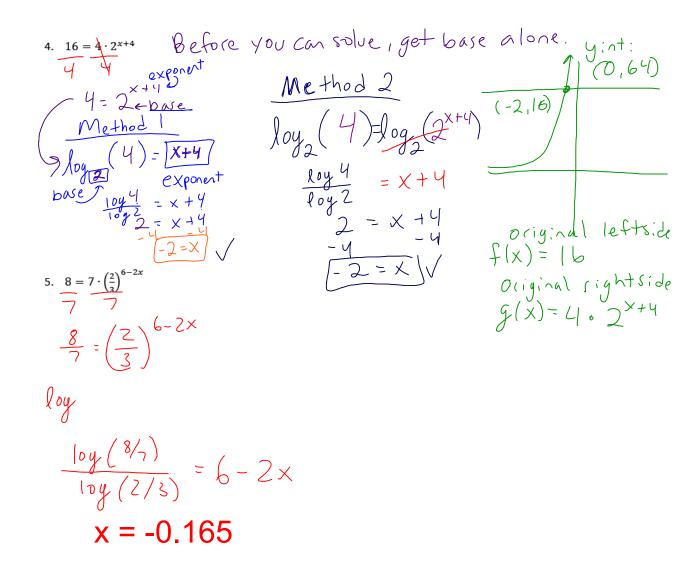
Why was the one to one property of exponents NOT an option in this problem?

Use exact decimal  $7 = 3^{2-4(0.057...)}$   $7 = 3^{2-4(0.057...)}$  7 = 7.005

Solve the remaining equations using graphing and at least two of the algebraic methods previously mentioned

3. 
$$5 = \left(\frac{1}{2}\right)^{2x-6}$$
 $|0y|_{\frac{1}{2}} = |0y|_{\frac{1}{2}} \left(\frac{1}{2}\right)^{2x-6}$ 
 $|0y|_{\frac{1}{2}} = |0y|_{\frac{1}{2}} \left(\frac{1}{2}\right)^{2x-6}$ 
 $|0y|_{\frac{1}{2}} = 2x-6$ 

x = 1.839



"e" is just a special mathematics number, it is approximately 2.718, the inverse of  $e^x$  is  $\ln x$  or  $\log_e x$  (there are specific buttons on your calculator to deal with this special number and its inverse  $\ln x$ ) NOTE:  $\ln x$  is called the NATURAL LOG

Solve the remaining equations using graphing and at least two of the algebraic methods previously mentioned

