Alg2T DLTarget Quiz
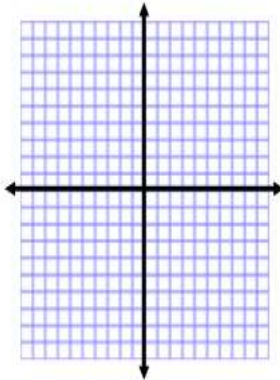## Unit 8 - Ch 7 Day 4 - Logarithms

1.) You deposit $3500 in an account that pays 5% annual interest compounded continuously. How much will you have after 5 years?	2.) Rewrite the following in exponential form: a. $\log_4 16 = 2$ b. $\log_6 36 = 2$ c. $\log_6 1/36 = -2$
3.) Evaluate the following: a. $\log_{1/2} 8 =$ b. $\log_2 64 =$ c. $\log_{16} 1/4 =$ d. $\log_3 1/27 =$	4.) Simplify the following: a. $\log_7 7 =$ b. $30^{\log_{30} 4}$

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Unit 8 - Ch 7 Day 5 - Graphing logs & Inverses

1.) Find the inverse: a. $y = \log_a 12$ b. $y = e^{X+2}$	2.) Find the inverse: a. $y = \log_{1/2} x + 3$ b. $y = 6 + \log x$
3.) Graph the following: List domain, range, asymptote $f(x) = \log_2 x$ 	4.) Graph the following: List domain, range, asymptote $f(x) = \log_4(x+1) - 3$