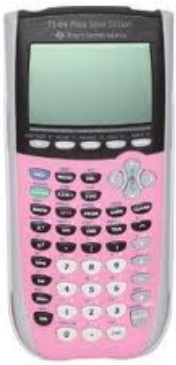
WARM UP - Solve using a calculator.



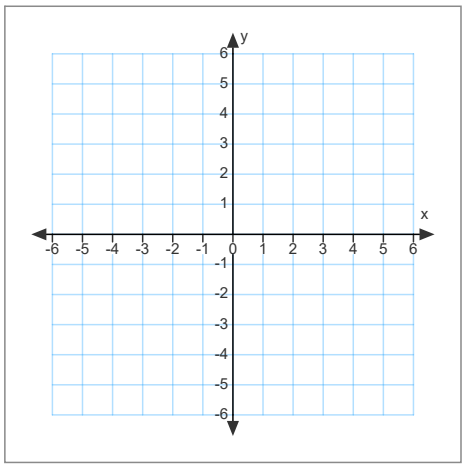
1) You take someone's bad advice and invest your life savings of $875 in their shady business. You have lost 8.6%, per year, over the past 7 years. How much money do you now have?

2) Your BFF invested his/her life savings of $875 into an account with interest at a rate of 4.2% every 3 months. How much will your BFF have after 5 years?

3) When you are done, get a white board, marker and eraser.

Aug 29-11:17 AM

Given: $y = \log_6(x-3)+1$



Graph and state the following.

Asymptote:

Domain:

Range:

Mar 1-11:37 AM

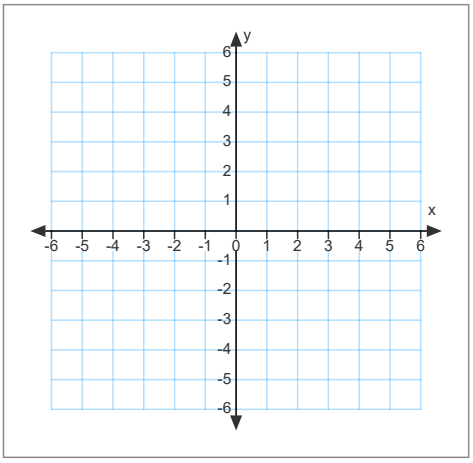
Rewrite in exponential form. $\log 0.01 = -2$

Rewrite in log form. $6^{-3} = \frac{1}{216}$

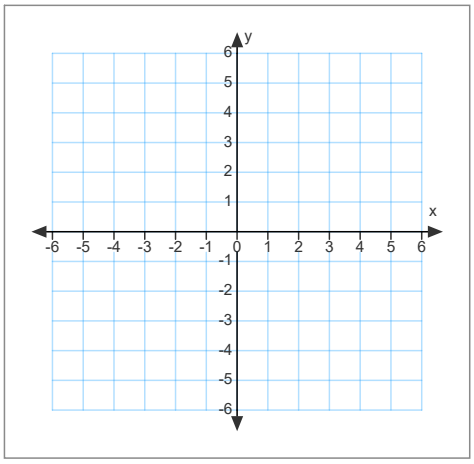
Feb 21-12:57 PM

Graph each function. State the asymptote, domain and range.

$y = 5^x - 1$



$y = 4\left(\frac{1}{2}\right)^x$



Mar 1-10:55 AM

Evaluate each logarithm.

$\log_{27} 9$ $\log_{100} 10$ $\log_5 \frac{1}{25}$

$\log_9 1$ $\log_4 32 - \log_4 \frac{1}{2}$

Mar 1-11:36 AM

Without graphing, determine whether each equation represents exponential growth or decay, then state the percent.

$y = 15(1.07)^x$ $y = 1285(0.62)^x$ $y = 12(2.8)^x$

Mar 1-10:52 AM

Write each expression as a single log. (Condense)

$\log 12 - \log 3 + \frac{1}{2}\log x$

$2\log_2 x + 3\log_2 y + 5\log_2 x$

Write the expression as a single log, then evaluate.

$\log_5 1 - \log_5 25$

Mar 1-11:42 AM

Expand each logarithm.

$\log_c \frac{a^2}{bg}$

$\log_3 3^4$

Solve for x: $\log_2(4x) = 3$

Mar 1-11:42 AM

GO COUGARS!

Homework:

Review 8.1-8.4 WB page 76

#1-30 (skip #11)

Quiz 8.1-8.4 on Thursday

Mar 1-11:45 AM