Logarithm Flashcard #1
Problems

Write as a logarithmic equation. $19^2 = 361$	$\log_3 9x^4$
Simplify. $v = \log_{15} 225$	$\log_2 \frac{m^5}{n^2}$
Condense and Simplify: $2\log_{12} 6 + \log_{12} 4$	16
Solve for v. $-3 = \log_7 v$	3.19
Solve for x $\log_2(10x) = \log_2(3x+14)$	1.05

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Problems

Write as a decimal. $\log_4 83$	2
Solve for x. $3^x = 22$	$\frac{4}{3}$
Condense as a single logarithmic. $2 + 4\log_3 x$	2
Simplify. $\log_4 16^8$	$\frac{1}{343}$
Simplify. $9^{\log_9 15} - \log_3 3^5$	0.4

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Problems

Solve for x. $\log_5(4x-3)=\log_5(x+1)$	10
Write as a decimal. $\log_9 2.4$	$\log_3 \frac{xz}{y}$
Solve for x. $5.5^x = 6$	$\log_{19} 361 = 2$
Condense. $5\log_2 m - 2\log_2 n$	$\log_{12} 144 = 2$
Condense. $\log_3 x - \log_3 y + \log_3 z$	2.81

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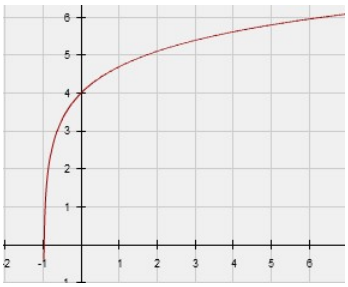
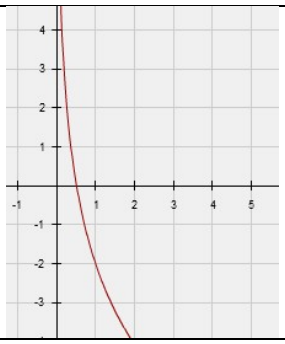
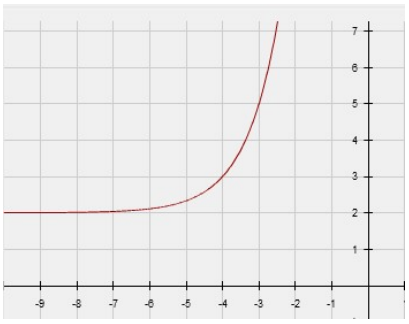
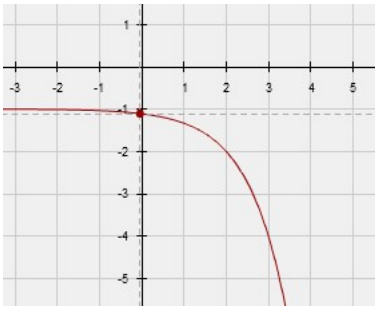
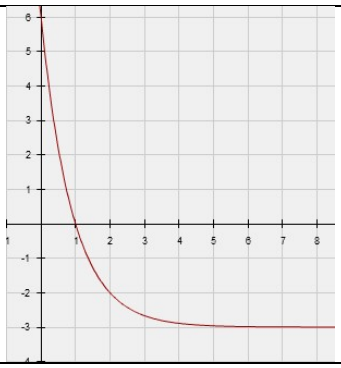
Problems

The graph of $y = 3^{x+4} + 2$	
$3000 is deposited in an account earning 5.5% interest compounded monthly for 6 years. How much interest is earned?	
The graph of $y = -3^{x-2} - 1$	2.29
$3000 is deposited in an account earning 5.5% interest compounded continuously for 6 years. Find the total value of the investment.	
The graph of $y = -3 \ln x - 2$	1169.76

Logarithm Flashcard #1
Problems

The graph of $y = \ln(x + 1) + 4$	
How long will it take \$7000 to grow to \$8000 if it is in an account earning 6% interest compounded continuously?	
How long will it take \$7000 to grow to \$8000 if it is in an account earning 6% interest compounded annually?	4172.90
The graph of $y = \left(\frac{1}{3}\right)^{x-2} - 3$	2.23