Happy Friday, January 27th!

Do Now:

Please make a table for the following equation:

$$f(x) = 2(3)^x$$

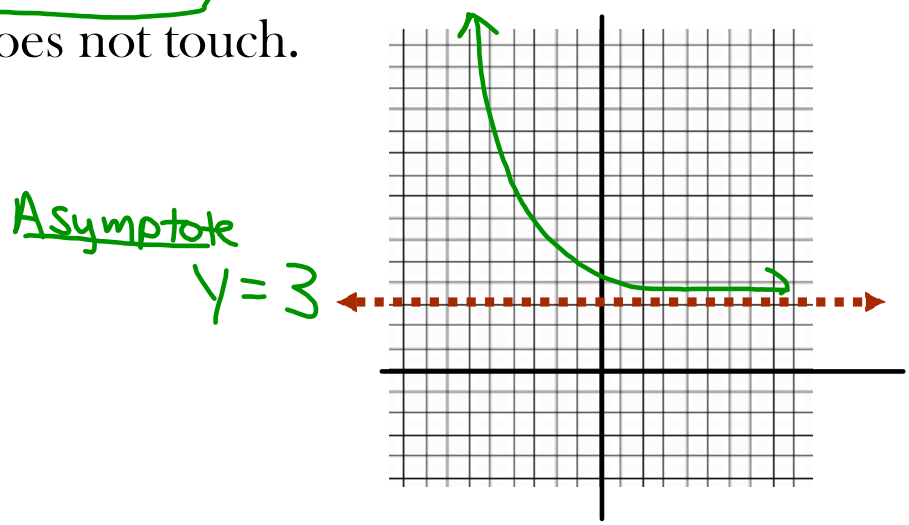
$2(3)^2 = 2 \cdot 9 = 18$

$2(3)^4 = 2 \cdot 81 = 162$

x	y = f(x)
0	2
1	6
2	18
4	162

Jan 27-9:42 AM

Asymptote: A line that the graph approaches but does not touch.



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Graph the following function and give the necessary information:

$2\left(\frac{1}{3}\right)^{-1} = 2(3^1)$

$y = a \cdot b^x$

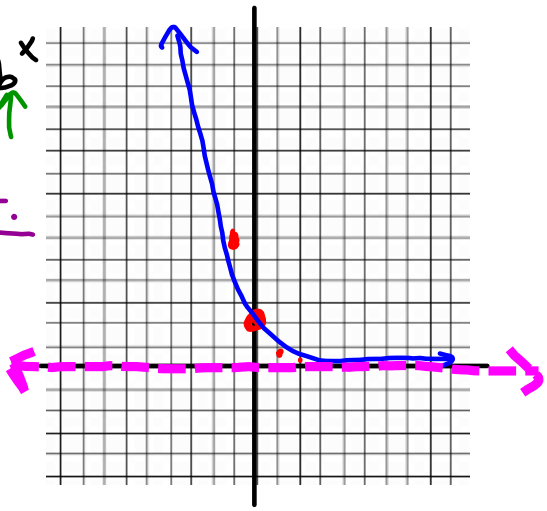
$f(x) = 2\left(\frac{1}{3}\right)^x$

Asympt. $y = 0$

No x-int

x	y
-1	6
0	2
1	$2/3 \approx .66$
2	$2/9$

$(0,2)$ y-int.



Jan 27-9:45 AM

Graph the following function and give the necessary information:

$f(x) = (1.25)^x - 4$

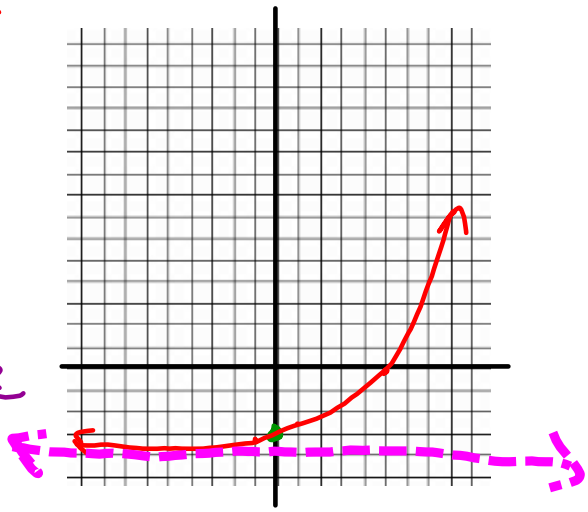
$1.25^0 - 4$

$1 - 4$

x	y
-1	-3.2
0	-3
1	-2.75
5	-.94

y int

Asymptote $y = -4$



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No Exit Slip

Please work on the Exponential/Logs Notes and back side of sheet.

MEET IN THE LIBRARY ON MONDAY

Jan 27-9:49 AM