Graphing Exp:

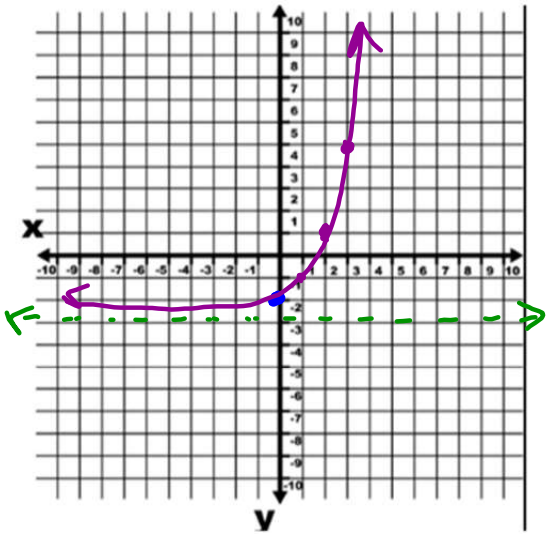
Make a table

x	y
0	-2
1	-1
2	1
3	5

$y = 2^x - 3$

$2^{-1} - 3$

$\frac{1}{2} - 3$



Asymptote: $y = -3$

y-int: $(0, -2)$

Growth/Decay

Feb 2-8:41 AM

$y = \log_b(x+h) + k$

Graphing Logs

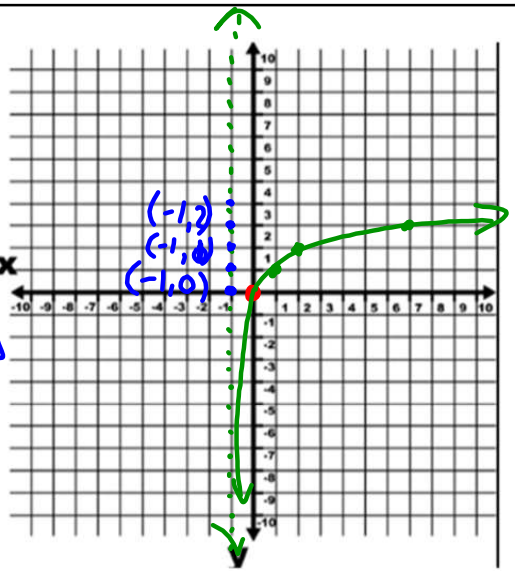
$y = \log_2(x+1)$

$2^y = x+1$

$2^2 = x+1$

$4 = x+1$

x	y
0	0
1	1
3	2
7	3



Asymptote: $x = -1$

x-intercept:

Feb 2-8:41 AM

Today:

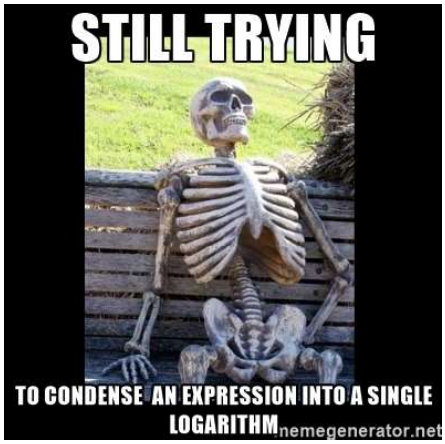
On your paper, there are 8 graphs. You will work with the people sitting at your table on all 8 graphs.

Each Group will be presenting (today or tomorrow) on one graph. I will tell you which once your group is finished with all 8 graphs.

Feb 2-8:03 AM

Happy Friday, February 3rd!

Do Now: Talk with group about presentation problem. We will start with that today!



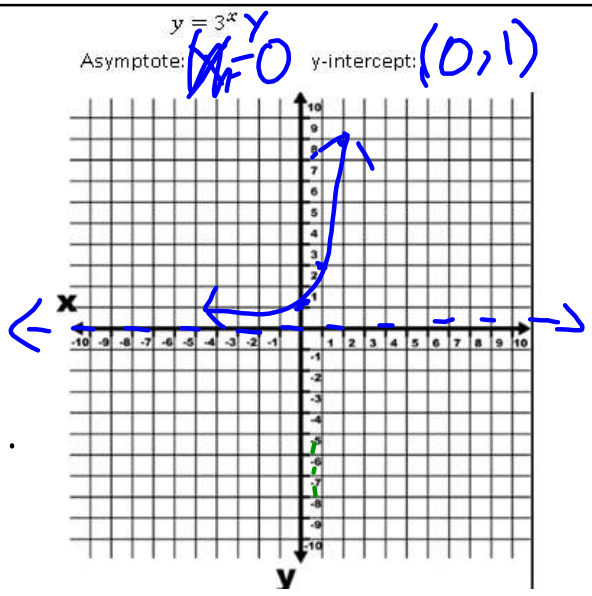
Feb 3-9:51 AM

Group 1	Group 2	Group 3
$y = 3^{x+4}$	$y = -1 \cdot 3^{x}$	$y = 3^{x} - 5$
Group 6	**Group 7**	**Group 8**
$y = \log_2(x-4)$	$y = -\log_2 x$	$y = \log_2(x)+1$

Feb 2-11:00 AM

$y = 3^x$

Asymptote: $y = 0$ y-intercept: $(0,1)$

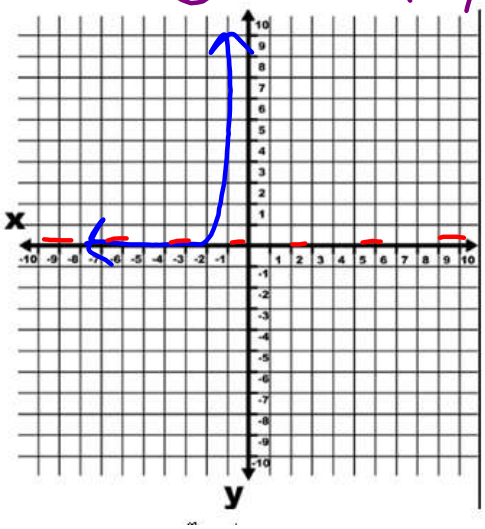


x	y
-1	$\frac{1}{3}$
0	1
1	3
2	9
3	27

Feb 2-8:05 AM

$y = 3^{x+4}$

Asymptote: 0 y-intercept: (0,81)

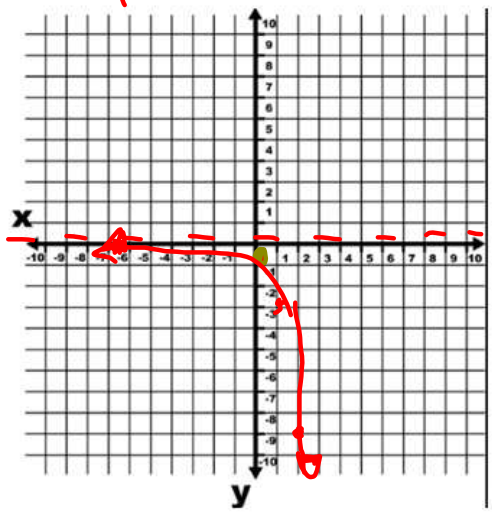


X	Y
0	81
-1	27
-2	9
-3	3
-4	1

Feb 2-8:05 AM

$y = -1 \cdot 3^x$

Asymptote: $y = 0$ y-intercept: (0,-1)

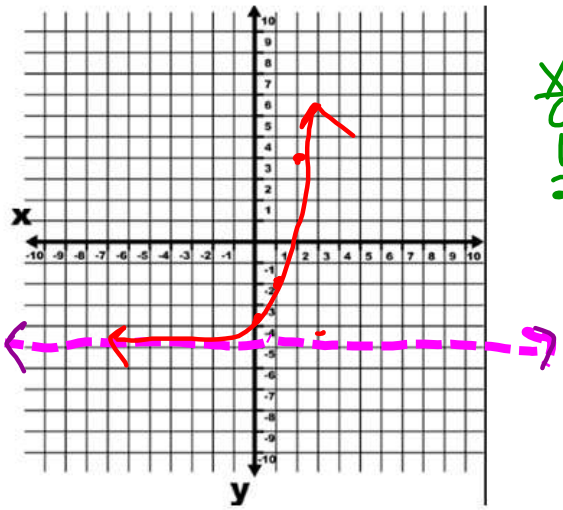


X	Y
0	-1
1	-3
2	-9
3	-27

Feb 2-8:06 AM

$y = 3^x - 5$

Asymptote: $y = -5$ y-intercept $(0, -4)$



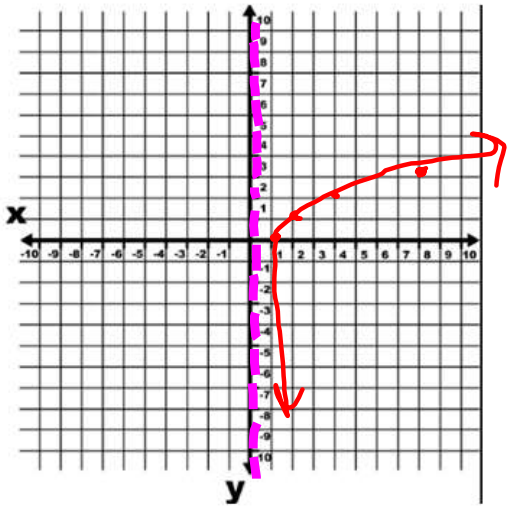
x	y
0	-4
1	-2
2	4

Feb 2-8:06 AM

$y = \log_2 x$

Asymptote: $x = 0$ x-intercept: $(1, 0)$

$2^y = x$



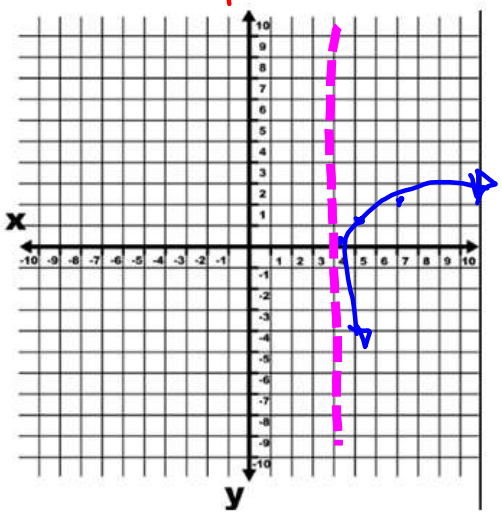
x	y
1	0
2	1
4	2
8	3

Feb 2-8:06 AM

$y = -\log_2(x-4)$

$2^y = x-4$

Asymptote: $x = 4$ x-intercept: $(5, 0)$

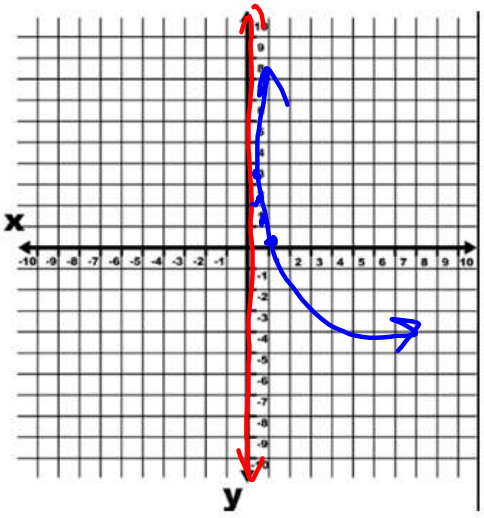


x	y
5	0
6	1
8	2
12	3

Feb 2-8:07 AM

$y = -\log_2 x$

Asymptote: $x = 0$ x-intercept: $(1, 0)$

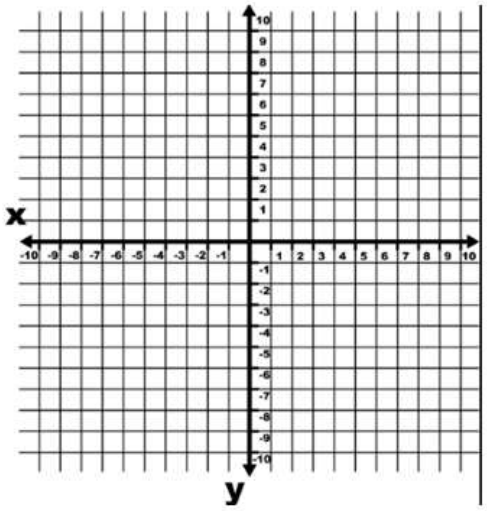


X	Y
1	0
.5	1
.25	2
.125	3

Feb 2-8:07 AM

$y = \log x + 1$

Asymptote: x-intercept:



Feb 2-8:07 AM

Feb 3-9:56 AM