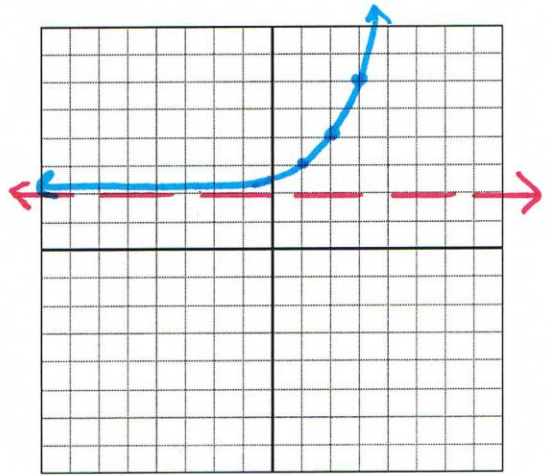


1) $y = 2^{x-1} + 2$ movements: right 1, up 2

$y = 2^x$

x	y
+1	+2
0	1
1	2
2	4

x	y
1	3
2	4
3	6



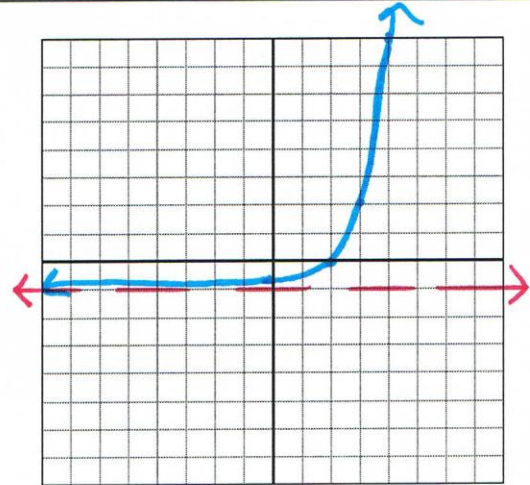
Asymptote: $y = 2$

2) $y = 3^{x-2} - 1$ movements: right 2, down 1

$y = 3^x$

x	y
+2	-1
0	1
1	3
2	9

x	y
2	0
3	2
4	8



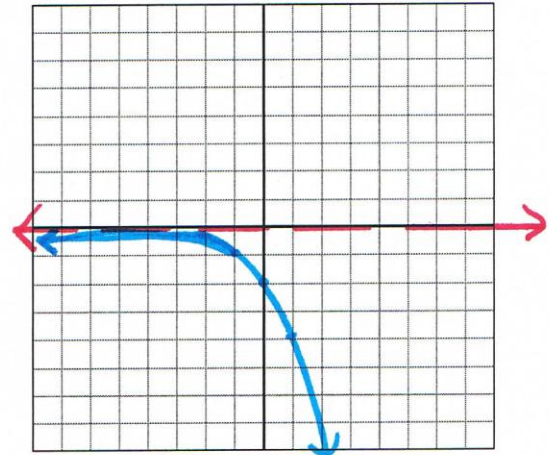
Asymptote: $y = -1$

3) $y = -2^{x+1}$ movements: reflects over x-axis, left 1

$y = 2^x$

x	y
-1	-1
0	-2
1	-4

x	y
-1	-1
0	-2
1	-4



Asymptote: $y = 0$

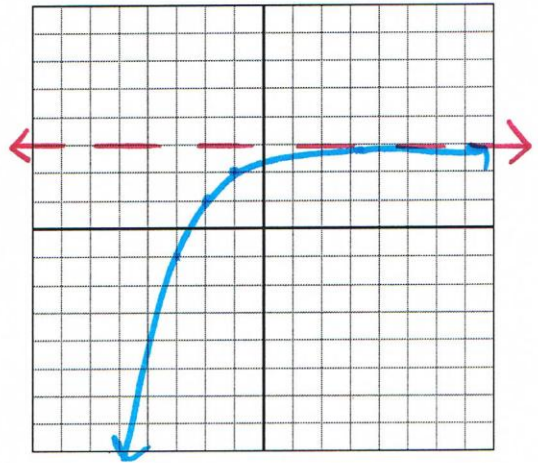
4) $y = -2^{-(x+1)} + 3$
 $y = -2^{-x-1} + 3$

movements: reflected over x and y-axis, left 1, up 3

$y = 2^x$

x	y
-1	+3
0	-1
-1	-2
-2	-4

x	y
-1	2
-2	1
-3	-1



Asymptote: $y = 3$

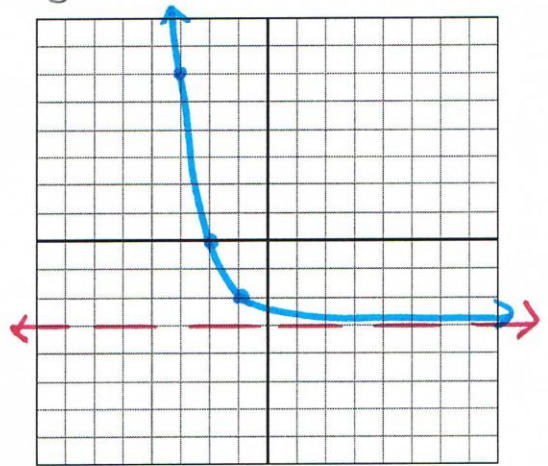
5) $y = 3^{-(x+1)} - 3$
 $y = \left(\frac{1}{3}\right)^{x+1} - 3$

movements: reflects over y-axis, left 1, down 3

$y = 3^x$

x	y
-1	-3
0	1
-1	3
-2	9

x	y
-1	-2
-2	0
-3	6



Asymptote: $y = -3$

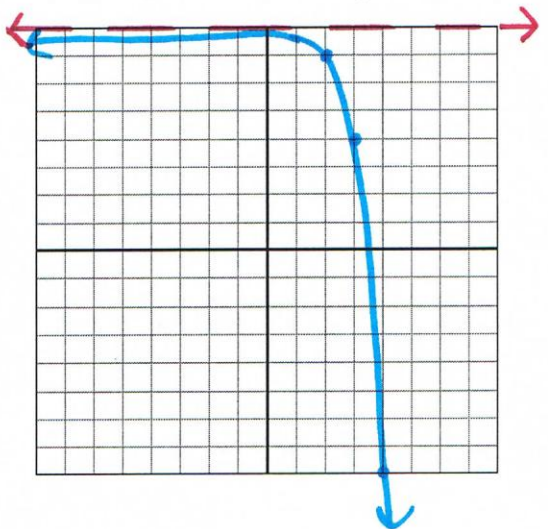
6) $y = -4^{x-2} + 8$

movements: reflects x-axis, right 2, up 8

$y = 4^x$

x	y
+2	+8
0	-1
1	-4
2	-16

x	y
2	7
3	4
4	-8



Asymptote: $y = 8$