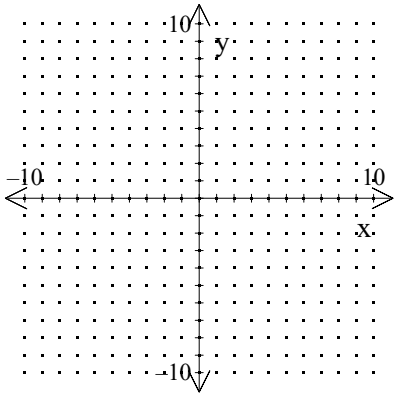
NAME:_____

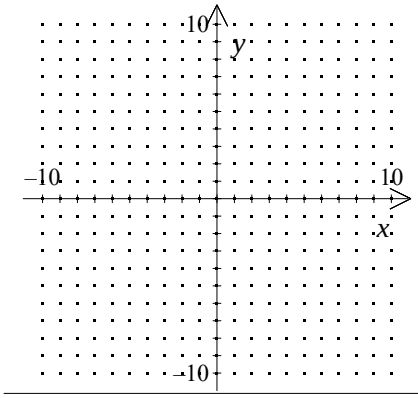
1. Graph on a graphing calculator. Describe the graph and sketch it.
$y = \log(x+2)$



[1] _____

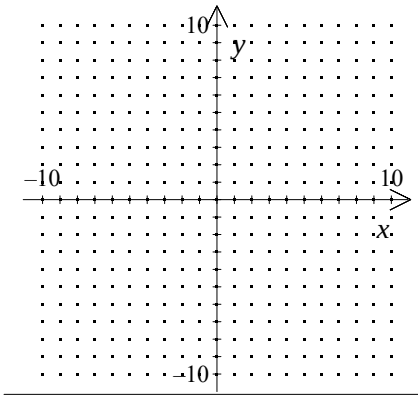
Graph:

2. $y = \log_2 x + 4$



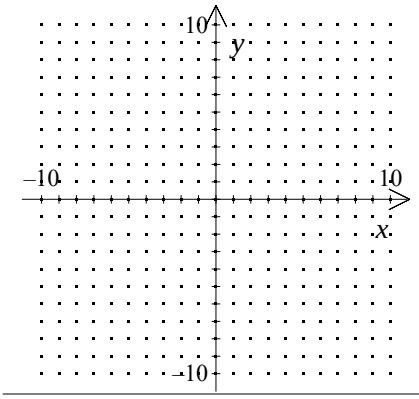
[2] _____

3. $y = \log_2 x - 5$



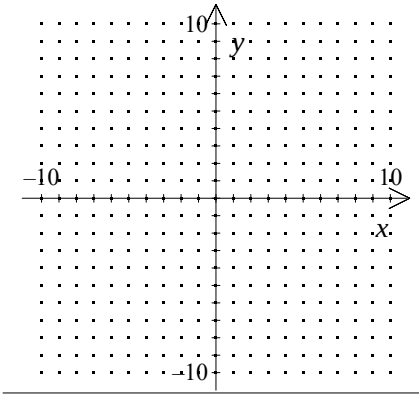
[3] _____

4. $y = \log_2 x + 2$



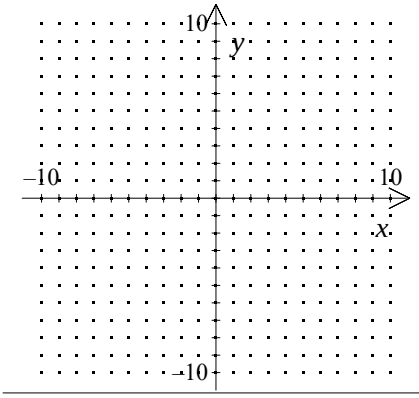
[4] _____

5. $y = \log_2 x - 1$



[5] _____

6. $y = \log_2 x - 7$

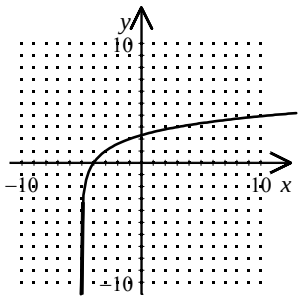


[6] _____

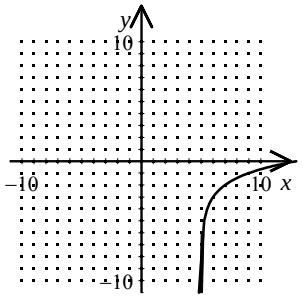
NAME:_____

7. Graph: $y = \log_2(x+5)$

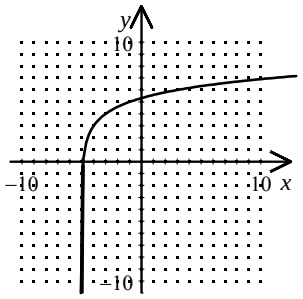
[A]



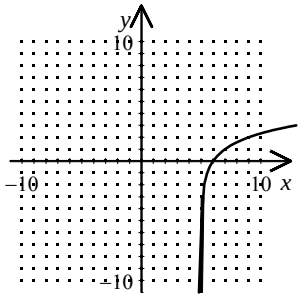
[B]



[C]



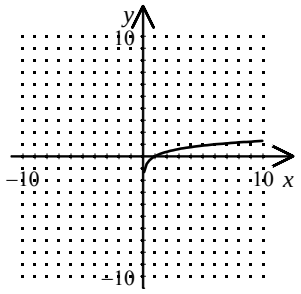
[D]



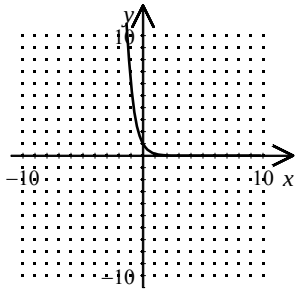
[7] _____

8. Graph: $y = \log_{1/6} x$

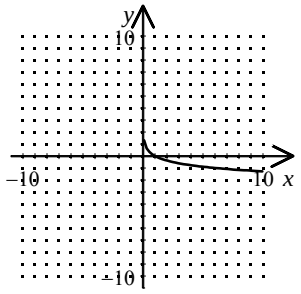
[A]



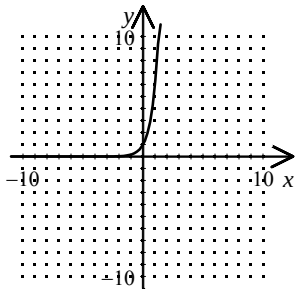
[B]



[C]

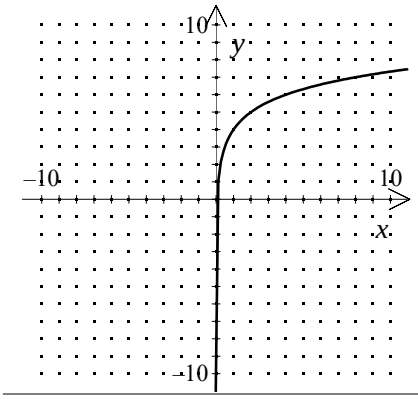


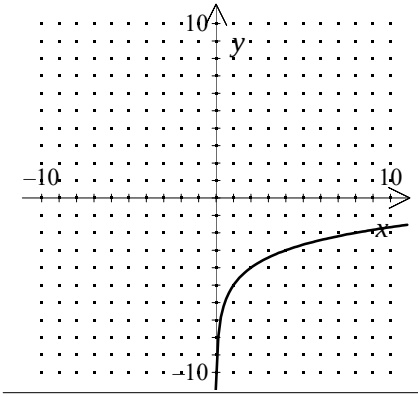
[D]

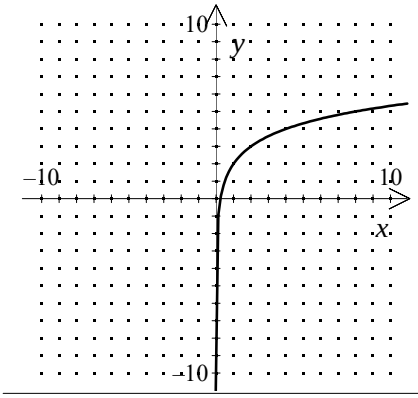


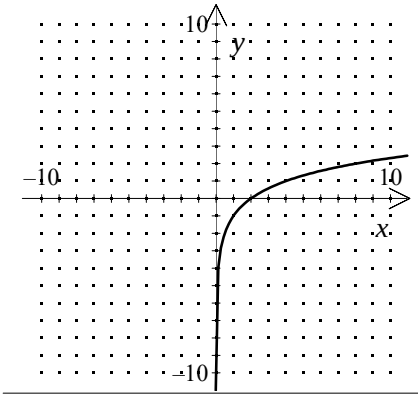
[8] _____

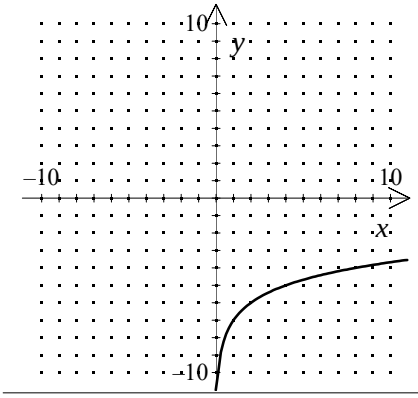
[1] Check students' sketches. Graph curves up, intercepts the x-axis at -1, increases gradually above the positive x-axis, through (8, 1).

[2] 

[3] 

[4] 

[5] 

[6] 

[7] A

[8] C