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

Graph:

2. \[ y = \log_2 x + 4 \]

3. \[ y = \log_2 x - 5 \]

4. \[ y = \log_2 x + 2 \]

5. \[ y = \log_2 x - 1 \]

6. \[ y = \log_2 x - 7 \]
7. Graph: \( y = \log_2(x + 5) \)

8. Graph: \( y = \log_{\frac{1}{6}} x \)
Check students’ sketches. Graph curves up, intercepts the x-axis at \(-1\), increases gradually above the positive x-axis, through \((8, 1)\).

[1] 

[2] 

[3] 

[4] 

[5] 

[6] 

[7] A

[8] C