

Name(s): \_\_\_\_\_

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Work with partners in groups of 2-4. **This is required.**

1. Give the domain of  $\log(x+1)$ .
2. Write  $16 = 4^2$  as an equivalent expression involving logarithms.
3. Write  $\log_3\left(\frac{1}{9}\right) = -2$  as an equivalent expression involving exponentials.
4. Solve  $\log_x 4 = 2$ .