

Pre-Calculus

Rewrite a logarithmic function using the natural base (e). Verify using DESMOS.

1. $y = \log_6 x$

2. $y = \log_4(x)$

3. $y = \log_3(2x)$

4. $y = \log_5(\frac{1}{2}x)$

5. $y = \log_2(x + 5)$

6. $y = \log_7(x - 8)$

7. $y = \log_3(x - 4) + 7$

8. $y = \log_6(2x + 1) - 9$

9. $y = \log_8(3x - 4) + 8$

10. $y = \log_9(x + 11) + 16$