

3.	$\log_4 16 = 2$ $4^2 = 16$
4.	$\log_7 343 = 3$ $7^3 = 343$
5.	$\log_6 \frac{1}{36} = -2$ $6^{-2} = \frac{1}{36}$
6.	$\log_{64} 1 = 0$ $64^0 = 1$

24.	$\log 27 \approx 1.431$
25.	$\ln 5.38 \approx 1.683$
26.	$\log 0.746 \approx -0.127$
27.	$\ln 110 \approx 4.700$
28.	$7^{\log_7 x} = x$
29.	$\log_5 5^x = x$
30.	$30^{\log_{30} 4} = 4$
31.	$10^{\log 8} = 8$
32.	$\log_6 36^x = \log_6 6^{2x} = 2x$
33.	$\log_3 81^x = \log_3 3^{4x} = 4x$
34.	$\log_5 125^x = \log_5 5^{3x} = 3x$
35.	$\log_2 32^x = \log_2 2^{5x} = 5x$
36.	B; $\log 100^x = \log_{10} 10^{2x} = 2x$