

8.	$15^1 = 15$, so $\log_{15} 15 = 1$.
9.	$7^2 = 49$, so $\log_7 49 = 2$.
10.	$6^3 = 216$, so $\log_6 216 = 3$.
11.	$2^6 = 64$, so $\log_2 64 = 6$.
12.	$9^0 = 1$, so $\log_9 1 = 0$.
13.	$\left(\frac{1}{2}\right)^{-3} = 8$, so $\log_{1/2} 8 = -3$.
14.	$3^{-3} = \frac{1}{27}$, so $\log_3 \frac{1}{27} = -3$.
15.	$16^{-1/2} = \frac{1}{4}$, so $\log_{16} \frac{1}{4} = -\frac{1}{2}$.
16.	$\left(\frac{1}{4}\right)^{-2} = 16$, so $\log_{1/4} 16 = -2$.
17.	$8^3 = 512$, so $\log_8 512 = 3$.
18.	$5^4 = 625$, so $\log_5 625 = 4$.
19.	$11^2 = 121$, so $\log_{11} 121 = 2$.