What inputs would give you nice outputs?

$$f(x) = \log_4 x$$

$f(1)=0$ $\quad$ $f(16)=2$ $\quad$ $f(4)=1$

$4^x=1$ $\quad$ $4^x=16$ $\quad$ $4^x=4$

$$g(x) = \log_{10}(x+2)$$

$f(-1)=0$ $\quad$ $f(8)=1$ $\quad$ $f(98)=2$

$10^x=1$ $\quad$ $10^x=10$ $\quad$ $10^x=100$

$x+2=1$ $\quad$ $x+2=10$ $\quad$ $x+2=100$

$-2\ \ -2$ $\quad$ $-2\ \ -2$ $\quad$ $-2\ \ -2$

$x=-1$ $\quad$ $x=8$ $\quad$ $x=98$