

$(4^3 \times 4^{-9})^{-1} = 4^{3-9} = 4^{-6}$
 $(\frac{1}{4})^{-1} = 4$

$(\frac{1}{2})^{-1} = 2$
 $(\frac{1}{5})^{-1} = 5$
 $(\frac{1}{4})^{-1} = 4$

$(\frac{3}{12})^{-1} = \frac{12}{3} = 4$

The following are some examples of negative exponents:
 $2^{-1} = \frac{1}{2}$
 $3^{-2} = \frac{1}{3^2} = \frac{1}{9}$
 $5^{-3} = \frac{1}{5^3} = \frac{1}{125}$
 $10^{-1} = \frac{1}{10}$
 $100^{-1} = \frac{1}{100}$
 $1000^{-1} = \frac{1}{1000}$
 $10^{-2} = \frac{1}{10^2} = \frac{1}{100}$
 $10^{-3} = \frac{1}{10^3} = \frac{1}{1000}$
 $10^{-4} = \frac{1}{10^4} = \frac{1}{10000}$
 $10^{-5} = \frac{1}{10^5} = \frac{1}{100000}$
 $10^{-6} = \frac{1}{10^6} = \frac{1}{1000000}$
 $10^{-7} = \frac{1}{10^7} = \frac{1}{10000000}$
 $10^{-8} = \frac{1}{10^8} = \frac{1}{100000000}$
 $10^{-9} = \frac{1}{10^9} = \frac{1}{1000000000}$
 $10^{-10} = \frac{1}{10^{10}} = \frac{1}{10000000000}$



