Name _____

Reciprocal and Inverse of exponents

Find the reciprocal of exponents.
(Reciprocal of powers)

1) 3^4 $\frac{1}{3^4} = \frac{1}{81}$	2) a^6 $\frac{1}{a^6} = a^{-6}$	3) 5^{-2} $\frac{1}{5^2} = \frac{1}{25}$
4) b^0 $\frac{1}{b^0} = 1$	5) $(-2)^3$ $\frac{1}{(-2)^3} = \frac{-1}{8}$	6) c^{-4} $\frac{1}{c^{-4}} = c^4$
7) 2^{-5} $\frac{1}{25} = 25$	8) d^2 $\frac{1}{d^2} = d^{-2}$	9) $(-3)^{-3}$ $\frac{1}{(-3)^{-3}} = \frac{-1}{27}$
10) x^{-1} $\frac{1}{x} = x$	11) 4^2 $\frac{1}{4^{-2}} = \frac{1}{16}$	12) $(-a)^4$ $\frac{1}{(-a)^4} = a^4$