



Name _____

Exponent Detective

Directions: Read each statement. Write True or False. If the statement is false, rewrite it so it is correct.

Statement	True / False	Corrections
1) 4^{-2} means the number is negative.		
2) $x^{-3} = \frac{1}{x^3}$		
3) $7^{-1} = \frac{1}{7}$		
4) $10^{-2} = 100$		
5) A negative exponent tells you to use the reciprocal of the positive power.		
6) $\frac{1}{a^{-4}} = a^4$		
7) $5^{-3} = \frac{1}{125}$		
8) $b^{-2} = -(b^2)$		
9) $3^{-1} = 3$		
10) A negative exponent changes the location of a factor across a fraction bar, not the sign of the base.		