

## Negative Exponents

Examples

1) $3^{-2}=\frac{1}{3^{2}}$
2) $\mathrm{b}^{-7}=\frac{1}{b^{7}}$
3) $x^{3} \cdot x^{-5}$
4) $\begin{array}{rr}\frac{g^{4}}{g^{10}} & =g^{-6} \\ & =\frac{1}{g^{6}}\end{array}$

Mathematicians say:

Never leave a zero or negative exponent in your answer.
(It is not necessarily incorrect, it just isn't simplified. Just like $\frac{12}{3}$ is not a simplified fraction.)



