

Indices and Laws of Indices

Understanding Negative Indices.



Express each of the following with positive exponents.

$$\frac{1}{2^{-3}} = \quad \frac{1}{4^{-2}} = \quad \frac{1}{2^{-2}} = \quad \frac{1}{9^{-2}} = \quad \frac{1}{7^{-2}} = \quad \frac{1}{3^{-2}} =$$

$$\frac{1}{11^{-2}} = \quad \frac{1}{m^{-2}} = \quad \frac{6}{m^{-9}} = \quad \frac{9}{b^{-7}} = \quad \frac{1}{7n^{-7}} = \quad \frac{1}{3y^{-1}} =$$

$$\frac{1}{6^{-5}} = \quad \frac{1}{8^{-2}} = \quad \frac{1}{4^{-2}} = \quad \frac{3}{h^{-5}} = \quad \frac{7}{f^{-6}} = \quad \frac{2}{s^{-8}} =$$

$$\frac{x}{y^{-5}} = \quad \frac{ab}{y^{-5}} = \quad \frac{1}{9^{-9}} = \quad \frac{1}{7^{-3}} = \quad \frac{1}{8^{-7}} = \quad \frac{1}{9^{-6}} =$$

$$\frac{1}{6^{-9}} = \quad \frac{1}{6^{-4}} = \quad \frac{1}{6^{-3}} = \quad \frac{1}{8^{-3}} = \quad \frac{3}{g^{-6}} = \quad \frac{9}{m^{-8}} =$$

$$\frac{1}{24^{-5}} = \quad \frac{1}{w^{-5}} = \quad \frac{3}{n^{-7}} = \quad \frac{7}{b^{-4}} = \quad \frac{6}{b^{-3}} = \quad \frac{k}{9^{-7}} =$$

$$\frac{3}{h^{-5}} = \quad \frac{7}{f^{-6}} = \quad \frac{2}{s^{-8}} = \quad \frac{1}{6^{-5}} = \quad \frac{1}{8^{-2}} = \quad \frac{1}{4^{-2}} =$$

$$\frac{1}{7^{-3}} = \quad \frac{1}{8^{-7}} = \quad \frac{1}{9^{-6}} = \quad \frac{x}{y^{-5}} = \quad \frac{ab}{y^{-5}} = \quad \frac{1}{9^{-9}} =$$