

Exponents, Negative

A number raised to a negative exponent equals one over that number with the positive exponent.

If the number is a fraction with a negative exponent, use the reciprocal of the fraction with a positive exponent.

Simplify the following expressions

1. 8^{-2}

2. 4^{-1}

3. x^{-2}

4. $(5x)^{-3}$

5. $5x^{-3}$

6. $3/8^{-2}$

7. $(3/8)^{-2}$

8. X^{-2}/Y^{-3}

9. $(4/5)^{-3}$

10. $(-1/2)^{-3}$