

Simplifying Expressions with Negative Exponents Worksheet 1

Apply the negative exponent rule and simplify.

1. $\left(\frac{-6}{x}\right)^{-3}$

2. $\left(\frac{2x^{-2}}{y^{-3}}\right)^4$

3. $(18 + a)^{-2}$

4. $\left(\frac{2^{-6}}{(x+2)^2}\right)^{-1}$

5. $(st^{-3} \cdot \frac{1}{s^{-4}})^2$

6. $-\left(\frac{xy^{-2}}{4x}\right)^{-2}$

7. $\left(\frac{3}{x^3}\right)^2 \cdot x$

8. $\left(\frac{1}{(3x)^{-3}}\right)^2$

9. $\frac{(1-y)^3}{y^3}$

10. $\frac{1}{(t^3)^2} \cdot \frac{t^5}{2t}$

