

Multiplication and Division with Negative Exponents Worksheet 1

Eliminate the negative exponents and simplify.

1. $(-6x)^{-2} \cdot x^3$

2. $\left(\frac{6ab^{-7}}{3a^3b^{-2}}\right)$

3. $8^{-2} \cdot \frac{16y^{-4}z^5}{y^6z^{-2}}$

4. $\frac{x^{-6}z}{2xz}$

5. $\frac{12a^8}{16ab^{-3}}$

6. $x^{-7} \cdot \frac{2x^5}{10z}$

7. $\frac{10s^{-9}t}{15st^{-5}}$

8. $27a^{-4}b^3 \div 9a^3b$

9. $4^{-2} \cdot \frac{128xyz^{-6}}{256x^{-3}z^{-6}}$

10. $\frac{ab^{-5}}{a^{-6}b^{-3}} \cdot \frac{1}{2a^2b^{-1}}$

