

WS 3.3B Division Property and Literal Equations

Simplify. Your answer should contain only positive exponents.

1) $\frac{5x^{10}y^3}{10x^5y^5}$

2) $\frac{8xy^{10}}{4x^{10}y^3}$

3) $\frac{8xy^8z^6}{12x^6y^4z^6}$

4) $\frac{10x^9y^8z^5}{8x^4y^6z^4}$

5) $\frac{4b^{-2}}{4a^0b^{-4}}$

6) $\frac{4x^3y^{-1}}{2x^{-2}y^{-3}}$

7) $\frac{2a^{-2}b^4}{b^4}$

8) $\frac{3xy^0}{3xy^4}$

9) $\frac{(ba^2)^2}{2a^4b^{-2}}$

10) $\left(\frac{m^4n^2}{2m^{-4}n^2}\right)^3$