

Dividing Monomials - Homework

Simplify the expression in each problem.

1. $\frac{5x^3}{10x}$	2. $\frac{12x^5}{16x^8}$
3. $\frac{9x^2y^4}{15x^2y^{10}}$	4. $\frac{8x^3y^2z^5}{20x^8y^3z^2}$
5. $\left(\frac{2x^5}{3y}\right)^3$	6. $\left(\frac{2ab^3}{c}\right)^4$
7. 10^0	8. -10^0
9. $7x^{-4}$	10. $\frac{1}{x^{-3}y^{-2}}$
11. $\left(\frac{3x^2}{y^3}\right)^{-4}$	12. $\frac{1}{(2x)^{-3}}$
13. $\frac{3x^{-3}y^2z}{6x^{-7}y^4z^{-2}}$	14. $\frac{8x^5y^{-7}z^{-3}}{24x^{-7}yz}$