

Use the power of a quotient property to simplify the expression

1. $\left(\frac{1}{2}\right)^4$

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

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

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

5. $\left(\frac{3}{m}\right)^3$

6. $\left(\frac{x^2}{5}\right)^2$

7. $\left(\frac{3}{4}\right)^{-3}$

8. $\left(\frac{a^3}{b^2}\right)^4$

9. $\left(\frac{3}{7}\right)^{-2}$

10. $\left(\frac{2^4}{x^5}\right)^{-1}$

11. $\left(\frac{x^4}{y^7}\right)^9$

12. $\left(\frac{x^{25}}{y^{14}}\right)^2$

13. $\left(\frac{x^5}{y^4}\right)^5$

14. $\left(\frac{a^2b^3}{x^4y^5}\right)^2$

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

16. $\left(\frac{a^2b}{xy^5}\right)^{-3}$

Use the power of a quotient property to simplify the expression

1. $\left(\frac{1}{3}\right)^4$

2. $\left(\frac{5}{6}\right)^2$

3. $\left(\frac{4}{x}\right)^5$

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

5. $\left(\frac{7}{5}\right)^{-2}$

6. $\left(\frac{2^2}{a^5}\right)^3$

7. $\left(\frac{x^6}{y^3}\right)^8$

8. $\left(\frac{a^3}{b^2}\right)^4$

9. $\left(\frac{3}{7}\right)^{-2}$

10. $\left(\frac{2^4}{x^5}\right)^{-1}$

11. $\left(\frac{x^4}{y^7}\right)^9$

12. $\left(\frac{x^7}{y^{10}}\right)^4$

13. $\left(\frac{x^5}{y^4}\right)^3$

14. $\left(\frac{a^2b^3}{x^4y^5}\right)^4$

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

16. $\left(\frac{a^2b}{xy^5}\right)^{-2}$