

The Quotient Property

Date _____ Period _____

Simplify. Your answer should contain only positive exponents.

1) $\frac{x^4}{3x^3}$

2) $\frac{2r^2}{r^2}$

3) $\frac{4b^3}{3b^4}$

4) $\frac{2x^4}{4x^4}$

5) $\frac{3n^4}{n^4}$

6) $\frac{a^4}{2a^3}$

7) $\frac{4n^2}{2n^3}$

8) $\frac{x^2}{4x}$

9) $\frac{4y^3}{2xy^2}$

10) $\frac{4m^4n^2}{mn^4}$

11) $\frac{3u^4v^2}{3u}$

12) $\frac{x^2y^4}{4x^3y^3}$

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1) $\frac{x^4}{3x^3}$

$\frac{x}{3}$

2) $\frac{2r^2}{r^2}$

2

3) $\frac{4b^3}{3b^4}$

$\frac{4}{3b}$

4) $\frac{2x^4}{4x^4}$

$\frac{1}{2}$

5) $\frac{3n^4}{n^4}$

3

6) $\frac{a^4}{2a^3}$

$\frac{a}{2}$

7) $\frac{4n^2}{2n^3}$

$\frac{2}{n}$

8) $\frac{x^2}{4x}$

$\frac{x}{4}$

9) $\frac{4y^3}{2xy^2}$

$\frac{2y}{x}$

10) $\frac{4m^4n^2}{mn^4}$

$\frac{4m^3}{n^2}$

11) $\frac{3u^4v^2}{3u}$

u^3v^2

12) $\frac{x^2y^4}{4x^3y^3}$

$\frac{y}{4x}$