



Class/Homework

STUDY RULES
&

Worksheet

Product and
Quotient Rule

Math 9

Name _____ ID: 1

Product & Quotient Rules

Date _____ Period _____

Simplify. Your answer should contain only positive exponents.

1) $4p \cdot 6p^3 \cdot 5p^4$

2) $6n^4 \cdot 6n^2 \cdot 3n^3$

3) $2r^4 \cdot r^4$

4) $3k^3 \cdot 7k^0$

5) $5n^2 \cdot 6n^2$

6) $8a^4 \cdot 8a^4$

7) $\frac{6m^4}{8m^2}$

8) $\frac{6p^4}{7p^3}$

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

10) $\frac{5n}{2n}$

11) $\frac{4n^3}{6n^3}$

12) $\frac{3x^3}{7x}$

13) $2x^0y^0 \cdot 8x^4y^2$

14) $5u^0v^4 \cdot 6vu^0 \cdot 7v^4$

15) $7x^4y^0 \cdot 4x^2y^2$

16) $6ab^2 \cdot 5a^3b^4$

17) $3x^4y^3 \cdot 8y$

18) $4x^3y^0 \cdot 5xy^4$

19) $\frac{5a^4b^4}{5b}$

20) $\frac{2xy^3}{xy^3}$

21) $\frac{3ba^0}{a^0}$

22) $\frac{5ba^4}{6b^0}$

23) $\frac{8m^3n^4}{3m^0}$

24) $\frac{2u^3v^2}{3u^2}$