

Chapter P Lesson 2: Properties of Exponents Worksheet

Simplify. Show all work and answers on notebook paper.

1) $2n^2 \cdot n^2 \cdot 3n^2$

2) $r \cdot 2r^2$

3) $n \cdot n$

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

5) $(4x)^2$

6) $(2n^3)^3$

7) $(n^3)^2$

8) $(4v)^4$

9) $x + x$

10) $n + m + p + m + n$

Simplify. Your answer should contain only positive exponents. Show all work and answers on notebook paper.

11) $\frac{4k}{4k^2}$

12) $\frac{4n^2}{2n}$

13) $\frac{p^4}{3p^3}$

14) $\frac{2b^4}{b^4}$

Solve each equation. Show all work and answers on notebook paper.

15) $2m + \frac{5}{3}m = \frac{88}{9}$

16) $\frac{7}{4}r + 1 - \frac{5}{3} = -\frac{29}{12}$

17) $-2.24b + 3b = 0.988$

18) $-1.5n - 0.8 + 0.4 = -0.37$