

Exponent Review

Simplify. Your answer should contain only positive exponents.

1) $4a^2 \cdot 3a^2b^2 \cdot 3b^3$

$$36a^4b^5$$

2) $2a^4b^2 \cdot 4ba^2$

$$8a^6b^3$$

3) $3x^3 \cdot 4x^4$

$$12x^7$$

4) m^3

$$m^3$$

5) $(-2k^3)^4$

$$16k^{12}$$

6) $(-4x^2)^4$

$$256x^8$$

7) $-\frac{4k^3}{k^4}$

$$-\frac{4}{k}$$

8) $\frac{-2b}{-3b^4}$

$$\frac{2}{3b^3}$$

9) $\frac{r}{2r^4}$

$$\frac{1}{2r^3}$$