

7.4 Review

Simplify.

1. $b^2 \cdot b^7$

2. $y^3 \cdot y^3 \cdot y$

3. $(a^2b)(a^2b^2)$

4. $(a^2)(a^2b)$

5. $(3ab)(-4a^2b^3)$

6. $(-4a^2x)(-5a^3x^4)$

Simplify.

7. $(7a)^2$

8. $(4a^2b)^3$

9. $(\frac{1}{3}b^2)^2$

10. $(-0.5)^3a^4$

11. $(-3xy)^2(4x)^3$

12. $(5a^2b^2c)(-7a^3)$

Simplify. Assume no denominator is equal to zero.

13. $\frac{y^{10}}{y^6}$

14. $\frac{(3y)^0}{6a}$

15. $\frac{42b^7}{14b^4}$

16. $\frac{27b^{-2}}{14b^{-3}}$

17. $\frac{3a^3bc^2}{18a^2b^3c^4}$

18. $\frac{-16a^3b^2c^4d}{-48a^4bcd^3}$