

Division Properties

Name _____ Hr _____

Simplify each expression completely.

1. $\frac{k^6}{k^2}$

2. $\frac{2g^2}{g^4}$

3. $\left(\frac{h}{k}\right)^2$

4. $\left(\frac{a}{b}\right)^3$

5. $\left(\frac{3x^3}{y}\right)^2$

6. $\frac{r^2}{2r^3}$

7. $\frac{x^{-1}}{4x^4}$

8. $\frac{3n^4}{3n^3}$

9. $\frac{a^2b^5}{a^4b^2}$

10. $\frac{3m^{-4}}{m^3}$

11. $\frac{2x^4y^{-4}z^{-3}}{3x^2y^{-3}z^4}$

Review. – Simplify each expression.

12. $m^4 \cdot 2m^{-3}$

13. $(3k^4)^4$

14. $(2b^4)^{-1}$

15. $2m^2 \cdot 2m^3$

16. $4n^4 \cdot 2n^{-3}$

17. $2x^3y^{-3} \cdot 2x^{-1}y^3$

18. $4r^{-3} \cdot 2r^2$

19. $4v^3 \cdot vu^2$

20. $x^2y^{-4} \cdot x^3y^2$

21. $(x^2)^0$

22. $(4r^0)^4$