

Name \_\_\_\_\_



Date \_\_\_\_\_

## Exponents

(Answer ID # 1026848)

Simplify.

1. $\frac{-2w^3}{5w^6v^5} \cdot \frac{11w^5}{4w^3}$	2. $\frac{(-3d^3y^4)(9d^4)}{(-8d^5y^3)(-2d^3y^4)}$	3. $\frac{(-4o^2)(3o^6)}{-5o^6}$
4. $\frac{-2l^2}{(-7l^5h^5)(l^2h^6)}$	5. $\frac{-4c^3}{-8c^4} \cdot \frac{-7c^6p^4}{5c^5}$	6. $\frac{(12g^5)(-12g^6)}{(-11g^4)(9g^3m^5)}$
7. $\frac{-11e^3y^5}{(-e^5)(5e^3)}$	8. $\frac{-6r^5u^4}{-r^4} \cdot \frac{12r^4}{8r^3}$	9. $\frac{(-12w^4)(-12w^4k^4)}{12w^2}$
10. $\frac{-2v^6a^6}{5v^3} \cdot \frac{-7v^4}{-4v^2}$	11. $\frac{-2d^5o^5}{4d^4} \cdot \frac{-12d^6}{10d^6o^4}$	12. $\frac{(-8k^2)(10k^6s^6)}{-9k^2s^6}$
13. $\frac{(-f^6m^3)(9f^6m^4)}{(f^3m^6)(-2f^6)}$	14. $\frac{-5g^2}{10g^4z^5} \cdot \frac{-10g^6}{-11g^5z^2}$	15. $\frac{10l^4}{(-4l^6)(-12l^5)}$
16. $\frac{(-w^4)(8w^3)}{(-4w^5)(6w^6)}$	17. $\frac{-4u^3}{-10u^6} \cdot \frac{-6u^6k^3}{-3u^2}$	18. $\frac{2l^6s^6}{(-9l^6)(12l^3)}$
19. $\frac{(5w^6r^4)(-3w^3r^6)}{8w^3r^2}$	20. $\frac{6z^5}{-9z^2t^2} \cdot \frac{-11z^3t^3}{7z^3t^4}$	21. $\frac{(-10p^3)(-7p^4)}{-8p^4}$

22. $\frac{12b^5h^4}{-12b^6} \cdot \frac{-3b^4h^4}{7b^6h^4}$	23. $\frac{(-4n^5)(6n^3)}{(-11n^3q^5)(-8n^2)}$	24. $\frac{-12m^2w^2}{-12m^2w^6} \cdot \frac{m^5w^3}{10m^6}$
25. $\frac{c^4s^4}{(-7c^5s^2)(-10c^4)}$	26. $\frac{-2u^3}{4u^3l^3} \cdot \frac{10u^2}{-2u^2l^6}$	27. $\frac{(-9d^4b^2)(-8d^3)}{(-7d^2b^6)(-10d^4)}$
28. $\frac{(12v^4r^6)(8v^6r^5)}{-5v^6}$	29. $\frac{-6f^4n^2}{(-12f^4n^4)(9f^5)}$	30. $\frac{-9j^4m^4}{-6j^3m^4} \cdot \frac{4j^4m^3}{-j^5}$