

#Jenny



Finally I get this ebook, thanks for all these I can get now!

#Rio



Cool! I'am really happy

#Markus Jensen



I did not think that this would work, my best friend showed me this website, and it does! I get my most wanted eBook

#Hun Tsu



wtf this great ebook for free?!

#Che Salsa



My friends are so mad that they do not know how I have all the high quality ebook which they do not!

#Diego Butler



so many fake sites. this is the first one which worked! Many thanks

NAME \_\_\_\_\_ DATE \_\_\_\_\_ PERIOD \_\_\_\_\_

**7-1 Practice**  
**Multiplying Monomials**

Determine whether each expression is a monomial. Write yes or no. Explain.

- $\frac{3x^2y}{5z}$  No; this involves the quotient, not the product, of variables.
- $\frac{1}{2}x^2y$  Yes; this is the product of a number,  $\frac{1}{2}$ , and two variables.

**Simplify.**

3. $(-4x^2)(3x^4) = -12x^6y$	4. $(2ab^2)(4a^2b^2) = 8a^3b^4c^4$
5. $(3a^2)^2(-2)^3 = -6a^4c^4$	6. $(4y^3)(-2y^2) = -8y^5b$
7. $(-3x^2)(-\frac{1}{2}xy^2) = \frac{3}{2}x^3y^2$	8. $(-xy^3)(-2x^2) = 2x^3y^3z$
9. $(-5m^2n^3)(-\frac{1}{2}mn^2) = \frac{5}{2}m^3n^5$	10. $(0.2a^2)^2 = 0.04a^4b^2$
11. $(\frac{2}{3}p^2)(\frac{3}{4}p^2) = \frac{1}{2}p^4$	12. $(\frac{1}{2}d^2)^2 = \frac{1}{4}d^4e^4$
13. $(0.4x^2)^2 = 0.16x^4$	14. $(4^2)^2 = 4^4$ or 65,536

**GEOMETRY** Express the area of each figure as a monomial.

15.  $18x^3$

16.  $(25x^2)\pi$

17.  $12x^3$

**GEOMETRY** Express the volume of each solid as a monomial.

18.  $105x^3$

19.  $30x^3$

20.  $(36x^2)y\pi$

**21. COUNTING** A panel of four light switches can be set in  $2^4$  ways. A panel of five light switches can set in twice this many ways. In how many ways can five light switches be set?  $2^5$  or 32

**22. HOBBIES** Tam wants to increase her rock collection by a power of three this year and then increase it again by a power of two next year. If she has 2 rocks now, how many rocks will she have after the second year?  $2^5$  or 64

Chapter 7 9 ©Glencoe Algebra 1

[Download PDF version of :](#)  
**Glencoe Algebra 1 Answer Key Chapter 7**