

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

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

1. 11

2.  $a - b$

3.  $\frac{p^2}{q^2}$

4.  $y$

5.  $j^3k$

6.  $2a + 3b$

**Simplify.**

7.  $a^2(a^3)(a^6)$

8.  $x(x^2)(x^7)$

9.  $(y^2z)(yz^2)$

10.  $(\ell^2k^2)(\ell^3k)$

11.  $(e^2f^4)(e^2f^2)$

12.  $(cd^2)(c^3d^2)$

13.  $(2x^2)(3x^5)$

14.  $(5a^7)(4a^2)$

15.  $(4xy^3)(3x^3y^5)$

16.  $(7a^5b^2)(a^2b^3)$

17.  $(-5m^3)(3m^8)$

18.  $(-2c^4d)(-4cd)$

19.  $(10^2)^3$

20.  $(p^3)^{12}$

21.  $(-6p)^2$

22.  $(-3y)^3$

23.  $(3pq^2)^2$

24.  $(2b^3c^4)^2$

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

