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**Homework 11-2**  
**Multiplying Variables with Exponents**

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**Unit 11****Evaluate each expression.**

1.  $h^3$  for  $h = -4$

2.  $-6m^2$  for  $m = 2$

3.  $c^3 + 5$  for  $c = 3$

**Write using exponents.**

4.  $10 \cdot x \cdot x \cdot y \cdot x \cdot y$

5.  $c \cdot b \cdot b \cdot c \cdot 5 \cdot a \cdot c$

6.  $k$  cubed

**Simplify.**

7.  $(3^2)^4$

14.  $y^{12} \cdot y^{10}$

8.  $2^2 \cdot 2^3$

15.  $(2^4)^3$

9.  $(4^5)^0$

16.  $(-2v^2)^5$

10.  $n^3 \cdot n^8$

17.  $3d^2 \cdot 2d^4$

11.  $(y^5)^2$

18.  $(3m^3)^4$

12.  $10^5 \cdot 10^7$

19.  $12x^3 \cdot 4x^8$

13.  $(10^0)^3$

20.  $(4z^5)^2$