

Name:

Period: 7

Date: 9/18/06

Worksheet 2
Algebra 1 (Concepts and Skills 1.2)

Evaluate the power.

1. 9^2

2. 7^3

3. 5^4

4. 1^8

Evaluate the expression for the given value of the variable.

5. w^2 when $w = 12$

6. c^4 when $c = 9$

7. n^2 when $n = 11$

Evaluate the variable expression when $c = 4$ and $d = 5$.

8. $(c + d)^2$

9. $(c^3) + d$

10. $(d^2) - (c^2)$

11. $(d^2) - d$

Evaluate the expression for the given value of the variable.

12. $2x^2$ when $x = 7$

13. $6t^4$ when $t = 1$

14. $7b^2$ when $b = 3$

15. **INTERIOR DESIGN** The floor of a room is 14 feet long by 14 feet wide. How many square feet of carpet are needed to cover the floor?