

## Chapter 6 Lesson 1-4 Quiz STUDY GUIDE

---

Write each product using an exponent and state the value.

1.  $9 \times 9 \times 9 \times 9$

2.  $17 \times 17 \times 17$

3.  $4 \times 4 \times 4 \times 4 \times 4$

4.  $6 \times 6$

Write each power as a product of the same factor. Then find the value.

5.  $5^3$

6.  $4^6$

7.  $7^4$

8.  $11^2$

Find the value of each expression.

9.  $3 + 12 - 9$

11.  $24 - 6 \div 2$

10.  $(7 + 4) \times 3 - 2$

12.  $5 + 4 \times (2 + 7)$

Evaluate each expression if  $m = 3$  and  $n = 7$ .

13.  $n + 9$

15.  $n^2 + 2m$

14.  $4m - 5$

16.  $3mn$

Write each phrase as an algebraic expression.

17. four times the number of goals

18. The score in a game divided by 14