

## Chapter 8 Practice Test 2

Simplify each expression and put your final answer in the blank to the left of the question.

\_\_\_\_\_ 1.  $n^4 \cdot n^4$

\_\_\_\_\_ 2.  $-2n^3 \cdot 4n^4$

\_\_\_\_\_ 3.  $(-5a^2b^3)(-5a^2b^4)$

\_\_\_\_\_ 4.  $2n^3 \cdot -5n \cdot 2n$

\_\_\_\_\_ 5.  $(2ab^4)^3$

\_\_\_\_\_ 6.  $(-3a^4b^5)^2$

\_\_\_\_\_ 7.  $(-2ab^2c^4)^3$

\_\_\_\_\_ 8.  $\frac{a^3b^2}{a^6b}$

\_\_\_\_\_ 9.  $\frac{8a^3b^2}{4a^4b^3}$

\_\_\_\_\_ 10.  $\frac{5a^3b^5c^3}{15a^2b^5c^4}$

\_\_\_\_\_ 11.  $\frac{4a^5b^3c^2}{14a^4b^4c^4}$

\_\_\_\_\_ 12.  $a^4 \cdot a^{-6}$

\_\_\_\_\_ 13.  $\frac{y^{-2}e^{-3}s^{-2}}{y^3e^2s^{-4}}$

\_\_\_\_\_ 14.  $\frac{n^3a^{-3}}{n^2a^{-5}}$

\_\_\_\_\_ 15.  $\frac{n^3p^{-2}s^{-2}}{n^4p^{-2}s^3}$