

**9.2****Practice**

For use after Lesson 9.2

**Simplify the expression. Write your answer as a power.**

1.  $(-6)^5 \cdot (-6)^4$

2.  $x^1 \cdot x^9$

3.  $\left(\frac{4}{5}\right)^3 \cdot \left(\frac{4}{5}\right)^{12}$

4.  $(-1.5)^{11} \cdot (-1.5)^{11}$

5.  $(y^{10})^{20}$

6.  $\left(\left(-\frac{2}{9}\right)^8\right)^7$

**Simplify the expression.**

7.  $(2a)^6$

8.  $(-4b)^4$

9.  $\left(-\frac{9}{10}p\right)^2$

10.  $(xy)^{15}$

11.  $10^5 \cdot 10^3 - (10^1)^8$

12.  $7^2(7^4 \cdot 7^4)$

13. The surface area of the sun is about  $4 \times 3.141 \times (7 \times 10^5)^2$  square kilometers.  
Simplify the expression.