

10.4**Practice**

For use after Lesson 10.4

Evaluate the expression.

1. 29^0

2. 12^{-1}

3. $10^{-4} \cdot 10^{-6}$

4. $\frac{1}{3^{-3}} \cdot \frac{1}{3^5}$

Simplify. Write the expression using only positive exponents.

5. $19x^{-6}$

6. $\frac{14a^{-5}}{a^{-8}}$

7. $3t^6 \cdot 8t^{-6}$

8. $\frac{12s^{-1} \cdot 4^{-2} \cdot r^3}{s^2 \cdot r^5}$

9. The density of a proton is about $\frac{1.64 \times 10^{-24}}{3.7 \times 10^{-38}}$ grams per cubic centimeter.

Simplify the expression.