

**8-3**

NAME \_\_\_\_\_ DATE \_\_\_\_\_ PERIOD \_\_\_\_\_

**Practice**Student Edition  
Pages 347-351**Negative Exponents***Write each expression using positive exponents. Then evaluate the expression.*

1.  $2^{-6}$

2.  $5^{-1}$

3.  $8^{-2}$

4.  $10^{-3}$

*Simplify each expression.*

5.  $g^{-6}$

6.  $s^{-1}$

7.  $q^0$

8.  $a^{-2}b^2$

9.  $m^5n^{-1}$

10.  $p^{-1}q^{-6}r^3$

11.  $x^{-3}y^2z^{-4}$

12.  $a^{-2}b^0c^{-1}$

13.  $12m^{-6}n^4$

14.  $7xy^{-8}z$

15.  $x^{-3}(x^2)$

16.  $b^3(b^{-5})$

17.  $\frac{b^3}{b^6}$

18.  $\frac{y^3}{y^{-2}}$

19.  $\frac{m^5n^3}{m^6n^2}$

20.  $\frac{xy^2}{xy^3}$

21.  $\frac{a^7b^4}{a^9b^2}$

22.  $\frac{rs^{-3}}{r^2s^4}$

23.  $\frac{16c^8}{4c^{10}}$

24.  $\frac{9x^{-5}y^5}{36x^4y^3}$

25.  $\frac{7p^2q^6}{21p^{-3}q^7}$

26.  $\frac{-6m^5n^2q^{-1}}{36m^{-2}n^4q^{-1}}$

27.  $\frac{4a^3b^2c^2}{6a^5b^3c}$

28.  $\frac{28x^5y^{-3}z}{-4x^4yz^3}$