

**5-2****Practice: Skills****Integer Exponents**

Write each expression using a positive exponent.

1.  $3^{-4}$

2.  $8^{-7}$

3.  $10^{-4}$

4.  $(-2)^{-6}$

5.  $(-40)^{-3}$

6.  $(-17)^{-12}$

7.  $n^{-10}$

8.  $b^{-8}$

9.  $q^{-5}$

10.  $m^{-4}$

11.  $v^{-11}$

12.  $p^{-2}$

Write each fraction as an expression using a negative exponent other than  $-1$ .

13.  $\frac{1}{8^2}$

14.  $\frac{1}{10^5}$

15.  $\frac{1}{2^3}$

16.  $\frac{1}{6^7}$

17.  $\frac{1}{17^4}$

18.  $\frac{1}{21^2}$

19.  $\frac{1}{3^7}$

20.  $\frac{1}{9^2}$

21.  $\frac{1}{3^2}$

22.  $\frac{1}{121}$

23.  $\frac{1}{25}$

24.  $\frac{1}{36}$

Find each quotient. Rewrite using positive exponents.

25.  $\frac{y^{-2}}{y^4}$

26.  $\frac{z^{-2}}{z^{-2}}$

27.  $\frac{x^{-8}}{x^{-2}}$

28.  $\frac{y^{-5}}{y^{-3}}$

29.  $\frac{z^{-3}}{z^3}$

30.  $\frac{y^{-1}}{y}$

31.  $\frac{z^{-4}}{z^{-2}}$

32.  $\frac{5^3}{5^{-2}}$

33.  $\frac{x^{-99}}{x^{-1}}$

34.  $(x^2y)^3$

35.  $(xy^3z)^5$

36.  $(m^2np^4)^2$