

**A1: 7-2 Practice** *Division Properties of Exponents*

1.  $\frac{8^8}{8^4}$

2.  $\frac{a^4b^6}{ab^3}$

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

4.  $\frac{m^5np}{m^4p}$

5.  $\frac{5c^2d^3}{-4c^2d}$

6.  $\frac{8y^7z^6}{4y^6z^5}$

7.  $\left(\frac{4f^3g}{3h^6}\right)^3$

8.  $\left(\frac{6w^5}{7p^6r^3}\right)^2$

9.  $\frac{-4x^2}{24x^5}$

10.  $x^3(y^{-5})(x^{-8})$

11.  $p(q^{-2})(r^{-3})$

12.  $12^{-2}$

13.  $\left(\frac{3}{7}\right)^{-2}$

14.  $\left(\frac{4}{3}\right)^{-4}$

15.  $\frac{22r^3s^2}{11r^2s^{-3}}$

16.  $\frac{-15w^0u^{-1}}{5u^3}$

17.  $\frac{8c^3d^2f^4}{4c^{-1}d^2f^{-3}}$

18.  $\left(\frac{x^{-3}y^5}{4^{-3}}\right)^0$

19.  $\frac{6f^{-2}g^3h^5}{54f^{-2}g^{-5}h^3}$

20.  $\frac{-12t^{-1}u^5x^{-4}}{2t^{-3}ux^5}$

21.  $\frac{r^4}{(3r)^3}$

22.  $\frac{m^{-2}n^{-5}}{(m^4n^3)^{-1}}$

23.  $\frac{(j^{-1}k^3)^{-4}}{j^3k^3}$

24.  $\frac{(2a^{-2}b)^{-3}}{5a^2b^4}$

25.  $\left(\frac{q^{-1}r^3}{qr^{-2}}\right)^{-5}$

26.  $\left(\frac{7c^{-3}d^3}{c^5dh^{-4}}\right)^{-1}$

27.  $\left(\frac{2x^3y^2z}{3x^4yz^{-2}}\right)^{-2}$