

**8-2 Skills Practice*****Dividing Monomials***

Simplify. Assume that no denominator is equal to zero.

1.  $\frac{6^5}{6^4} = 6$

2.  $\frac{9^{12}}{9^8} = 9^4$

3.  $\frac{x^4}{x^2} = x^2$

4.  $\frac{r^3s^2}{r^3s^4} = \frac{1}{s^2}$

5.  $\frac{m}{m^3} = \frac{1}{m^2}$

6.  $\frac{9d^7}{3d^6} = 3d$

7.  $\frac{12n^5}{36n} = \frac{n^4}{3}$

8.  $\frac{w^4u^3}{w^4u} = u^2$

9.  $\frac{a^3b^5}{ab^2} = a^2b^3$

10.  $\frac{m^7n^2}{m^3n^2} = m^4$

11.  $\frac{-21w^5u^2}{7w^4u^5} = \frac{-3w}{u^3}$

12.  $\frac{32x^3y^2z^5}{-8xyz^2} = -4x^2yz^3$