

**8-2 Study Guide and Intervention*****Dividing Monomials******Exercises***

Simplify. Assume that no denominator is equal to zero.

1.  $\frac{5^5}{5^2}$

2.  $\frac{m^6}{m^4}$

3.  $\frac{p^5n^4}{p^2n}$

4.  $\frac{a^2}{a}$

5.  $\frac{x^5y^3}{x^5y^2}$

6.  $\frac{-2y^7}{14y^5}$

7.  $\frac{xy^6}{y^4x}$

8.  $\left(\frac{2a^2b}{a}\right)^3$

9.  $\left(\frac{4p^4q^4}{3p^2q^2}\right)^3$

10.  $\left(\frac{2v^5w^3}{v^4w^3}\right)^4$

11.  $\left(\frac{3r^6s^3}{2r^5s}\right)^4$

12.  $\frac{r^7s^7t^2}{s^3r^3t^2}$