Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Dividing Exponents with one variable.

1. $\frac{5^{4}}{5}$ 2. $\frac{3}{3^{3}}$ 3. $\frac{2^{2}}{2^{3}}$

4. $\frac{2^{4}}{2^{2}}$ 5. $\frac{3r^{3}}{2r}$ 6. $\frac{7k^{2}}{4k^{3}}$

7. $\frac{10p^{4}}{6p}$ 8. $\frac{3b}{10b^{3}}$ 9. $\frac{8m^{3}}{10m^{3}}$

10. $\frac{2n^{2}}{n}$ 11. $\frac{8x^{3}}{10x^{5}}$ 12. $\frac{12x^{3}}{9x^{8}}$

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_\_

Dividing Exponents with Two variables.

1.$ \frac{14x^{4}y^{7}}{6x^{5}y^{4}}$ 2. $\frac{11u^{4}}{17u^{7}v^{9}}$

3. $\frac{4y^{4}}{14x^{8}y}$ 4. $\frac{12x^{4}y}{10x^{8}y}$

5. $\frac{18x^{8}y^{8}}{10x^{3}}$ 6. $\frac{5n^{8}}{20n^{8}}$

7. $\frac{16x^{8}y}{9x^{8}y^{2}}$ 8. $\left(\frac{4x^{8}}{6x^{6}}\right)^{3}$

9. $\left(\frac{2^{2}}{2^{3}}\right)^{5}$ 10. $\left(\frac{6n^{2}}{3n}\right)^{-3}$