

## Exponents

## Expanded Power Rule

1.  $\left(\frac{x}{2}\right)^2$

2.  $\left(\frac{1}{x}\right)^2$

3.  $\left(\frac{x}{4}\right)^2$

4.  $\left(\frac{z}{5}\right)^2$

5.  $\left(\frac{y}{2}\right)^3$

6.  $\left(\frac{y}{4}\right)^2$

7.  $\left(\frac{3}{x}\right)^3$

8.  $\left(\frac{x}{-2}\right)^3$

9.  $\left(\frac{a}{3}\right)^3$

10.  $\left(\frac{-a}{2}\right)^4$

**Answers****Exponents****Expanded Power Rule**

1.  $\frac{x^2}{4}$

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

3.  $\frac{x^2}{16}$

4.  $\frac{z^2}{25}$

5.  $\frac{y^3}{8}$

6.  $\frac{y^2}{16}$

7.  $\frac{27}{x^3}$

8.  $-\frac{x^3}{8}$

9.  $\frac{a^3}{27}$

10.  $\frac{a^4}{16}$