

## Exponents - Practice

Simplify the following problems. Use positive exponents.

1.  $x^2x^5$

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

3.  $(x^5)^2$

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

5.  $x^{-2}$

6.  $\frac{x^{-2}}{x^6}$

7.  $\sqrt[4]{x^6}$

**Answers:**

1.  $x^7$

2.  $x^2$

3.  $x^{10}$

4.  $\sqrt{x}$

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

6.  $\frac{1}{x^8}$

7.  $x\sqrt[4]{x^2}$