



Name: _____

Date: _____

Exponent Properties Integer Exponents

Solve for x. Show your work.

1. $(x^{-4})^3$

2. $\frac{b^{-1}}{b^1}$

3. $\frac{b^0}{b^1}$

4. $(x^{-4})^2$

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

6. $(y^{-1})^2$

7. $(a^{-4})^3$

8. $(a^{-4})^2$



Exponent Properties Integer Exponents – Answer Key

1. $(x^{-4})^3$
 x^{-12}

2. $\frac{b^{-1}}{b^1}$
 b^{-2}

3. $\frac{b^0}{b^1}$
 b^{-1}

4. $(x^{-4})^2$
 x^{-8}

5. $\frac{x^3}{x^{-3}}$
 x^6

6. $(y^{-1})^2$
 y^{-2}

7. $(a^{-4})^3$
 a^{-12}

8. $(a^{-4})^2$
 a^{-8}