



Assignment: Negative and Zero Exponents

Directions: Simplify the expression using properties of exponents.

1.  $5x^{-2}$

2.  $4a^{-2}b^7$

3.  $\frac{a^{-4}}{b^{-5}}$

4.  $\frac{(x-7)^{-3}}{(a-5)^{-5}}$

5.  $7^{-2}$

6.  $\frac{x}{y^{-7}} \cdot u^{-3}$

7.  $7^0$

8.  $(-2yz)^0$

9.  $\left(\frac{22}{34,700}\right)^0$

10.  $x^0y^{-7}$

11.  $\frac{f^0}{t^{-2}}$

12.  $\frac{a^0b^{-7}}{2^{-2}h^{-2}}$