

## Classwork 1 on Properties of Exponents

For #'s 1-12 simplify. Write answers with no negative exponents.

1. $-3x^0$	2. $(-3x)^0$
3. $\frac{3^8}{3^5}$	4. $\frac{2^2}{2^{-2}}$
5. $6xy \cdot 3x^2y$	6. $\frac{x^{-2}}{x^{-5}}$
7. $\frac{3x^2}{9x^5}$	8. $x^2 \cdot x^{-5}$
9. $(3x^{-1})^2$	10. $\frac{5x \cdot 3x^2 \cdot x^5}{25x^4}$
11. $\frac{y^4 x^2 x^5 y}{x^4 y^2 xy^8}$	12. $\left(\frac{x^5 y^{-4}}{x^2}\right)^3$