|  |  |
| --- | --- |
| **Homework 3 Negative Exponents and Zero Exponents** | **Unit 1** |
| **Zero Exponents** x0 = 1 Any base raised to the power of 0 is 1. |
| **Negative Exponents** x −n If a base has a negative exponent, then you must take the  reciprocal of the base and make the exponent positive. (Hint: *The*  *base with the negative exponent switches places in the fraction*.)EX: x − n =  The reciprocal of x is . |
| 1.
 | 1.
 | 1.
 | 1.
 |
| 1.
 | 1.
 | 1.
 | 1.
 |
| 1.
 | 1.
 | 1.
 | 1.
 |
| 1.
 | 1.
 | 1.
 | 1.
 |
| **Simplify.** **You cannot have negative exponents in the answer.** |
| 1.
 | 1.
 | 1.
 | 1.
 |
| 1.
 | 1.
 | 1.
 | 1.
 |
| 1.
 | 1.
 | 1.
 | 1.
 |