**EXPONENT HOMEWORK (Unit 5 - Math 7 Plus)**

* **Zero and Negative Exponents**
* **NOTE: When simplifying final answers should not have negative exponents unless the directions ask for negative exponents!**

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3) Simplify *an • a-n.* What is the mathematical relationship of

 *an* and *a-n?* Justify your answer.

4) Are 3*x*-2 and 3*x*2 reciprocals? Explain.

5) Choose a fraction to use as a value for the variable *a*. Find the values of *a*-1, *a*2, and *a*-2.