**Secondary Math 2 5.1 Homework Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_**

**Exponent Rules**

1. **Simplify each expression. Make sure your answers do not contain negative exponents.**

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| a) |  | b) |  | c) |  |

1. **Simplify each expression. Make sure your answers do not contain negative exponents.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| a) |  | b) |  | c) |  |

**Review Problems:**

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|  | Solve for x. Assume lines that appear to be tangent are tangent: |  | Find the value of *t*. Assume . |
|  | Solve for x and y: |  | A stick 2 m long is placed vertically at point *B.* The top of the stick is in line with the top of a tree as seen from point *A,* which is 3 m from the stick and 30 m from the tree. How tall is the tree? (hint use similar triangles) |

**Simplify each expression. Your answers should contain only positive exponents.**

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