**Secondary Math 2 5.3 Homework Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_**

**Roots and Radicals**

1. **Simplify. Assume all variables are positive.**

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

1. **Convert each expression from radical to exponential form or from exponential to radical form.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| a) |  | b) |  | c) |  |
| d) |  | e) |  | f) |  |

1. **Simplify.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| a) |  | b) |  | c) |  |
| d) |  | e) |  | f) |  |

1. **Solve each equation.**

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

**Review Problems:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Simplify: |  | Simplify: |
|  | Simplify: |  | Simplify: |