**Adding/Subtracting Radical Expressions**

***\*\*Rule = You can only add or subtract radical expressions if they have common \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.\*\****

Step 1: Simplify all radicals completely.

Step 2: \_\_\_\_\_\_\_\_\_\_\_\_ the outside terms of common radicands. The radicand does \_\_\_\_\_\_\_\_\_\_ change.

**Examples: Simplify completely.**

|  |  |
| --- | --- |
| 1.)  | 2.)  |
| 3.)  |

**Multiplying Radical Expressions**

**\*\*Rule = You can only multiply radicals expressions if they have common \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.\*\***

Step 1: Multiply whatever is “\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_” of the radical.

Step 2: Multiply whatever is on the “\_\_\_\_\_\_\_\_\_\_\_\_\_” of the radical.

Step 3: Simplify the radical completely.

**Examples: Simplify completely.**

|  |  |
| --- | --- |
| 4.)  | 5.)  |
| 6.)  |