**6.2 Multiplying and Dividing Radical Expressions**.  
Objective: To multiply and divide radical expressions

**Simplifying Radicals by Multiplying/Dividing**

|  |  |  |
| --- | --- | --- |
| **Product Property** |  |  |
| **Quotient Property** |  |  |

**Note:** Youcan work left to right or right to left in the chart above.

**Simplifying Radical Expressions: Product Property (see above)**

**Example:**

**Simplest Form:** Reduce a radical as much as possible**.  
  
1.)**

**2.)**

**Simplifying a Product**

**Example:**

**Simplifying Radical Expressions: Quotient Property (see above)**

**Example:**

You can also **rationalize the denominator** to simplify a quotient. You do this by multiplying by a “fancy one” in order to eliminate the radical from the denominator.

**HMWK: page 370 #1-7, 11-23 (odd), 35-49 (odd), 61**

Additional Problems to Simplify:











