1. **Simplifying Radicals**  Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Remember…**

*~ r* is a **square root** of a number ‘*s’*  if r2 = s (the square root of ‘s’ equals ‘r’)

VOCABULARY:

**radical** =  **radical sign** =  **radicand** = the number under the radical sign

**Properties of Square Roots**

Product Property ~

Quotient Property ~

**We use these properties to simplify square roots!**

**As you are simplifying, {keep asking…**

***”does the number under the radical sign have ANY perfect square factors*?”}**

List the perfect square numbers (through 100) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Simplify…

1.  2)  3) 

4)  5)  6) 

**\*\*EXACT FORM** – leaving an answer in exact form means NOT having to round off a decimal, so leaving an answer with a simplified radical is considered “EXACT FORM”.