Algebra 2 w/ Trig

2.1 Use Properties of Exponents

Warm- Ups:





------------------------------------------------------NOTES------------------------------------------------------------------------------------

Example 1: Evaluate Numerical Expressions

 

Example 2: Use Scientific Notation in Real Life

**A swarm of locusts may contain as many as** 85 **million locusts per square kilometer and cover an area of** 1200 **square kilometers. About how many locusts are in such a swarm?**

YOU TRY:

**Evaluate the expression. Tell which properties of exponents you used.**

 

 

Example 3: Simplify Expressions

 



Example 4: Compare Real Life Volumes

**Betelgeuse is one of the stars found in the constellation Orion. Its radius is about** 1500 **times the radius of the sun. How many times as great as the sun’s volume is Betelgeuse’s volume?**

YOU TRY:

**Simplify the expression. Tell which properties of** **exponents you used.**

 

 

KEEP GOING:

 



Hw: Section 2.1 p. 91 #3-39 odds