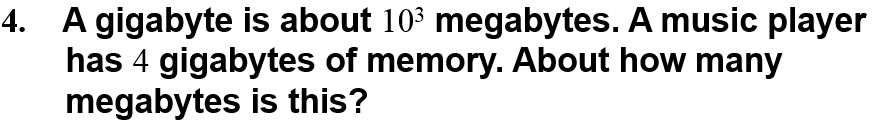
Algebra 2 w/ Trig

2.1 Use Properties of Exponents

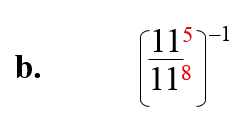
Warm- Ups:





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

Example 1: Evaluate Numerical Expressions

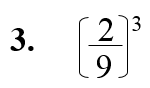
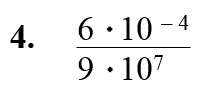
Example 2: Use Scientific Notation in Real Life

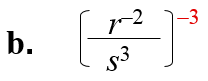
**A swarm of locusts may contain as many as** 85 **million locusts per square kilometer and cover an area of** 1200 **square kilometers. About how many locusts are in such a swarm?**

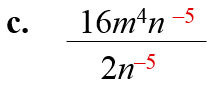
YOU TRY:

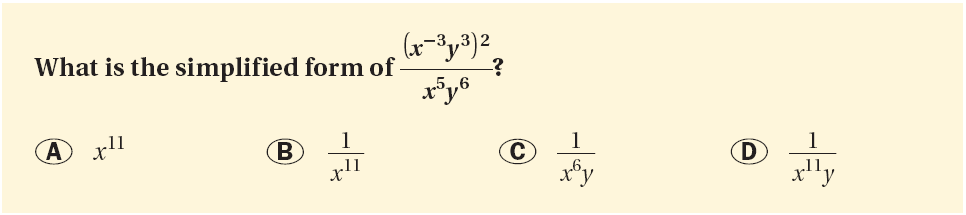
**Evaluate the expression. Tell which properties of exponents you used.**

Example 3: Simplify Expressions



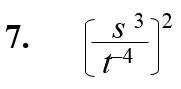
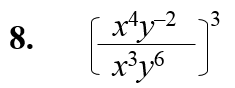
Example 4: Compare Real Life Volumes

**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?**

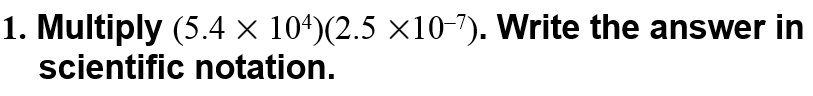
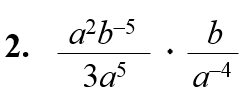
YOU TRY:

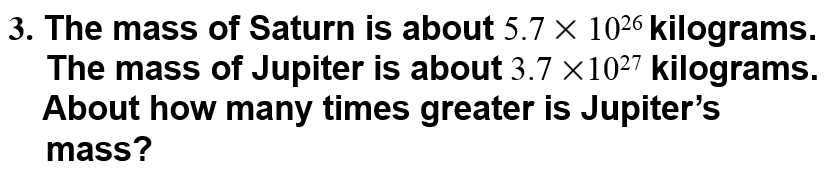
**Simplify the expression. Tell which properties of** **exponents you used.**

KEEP GOING:



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