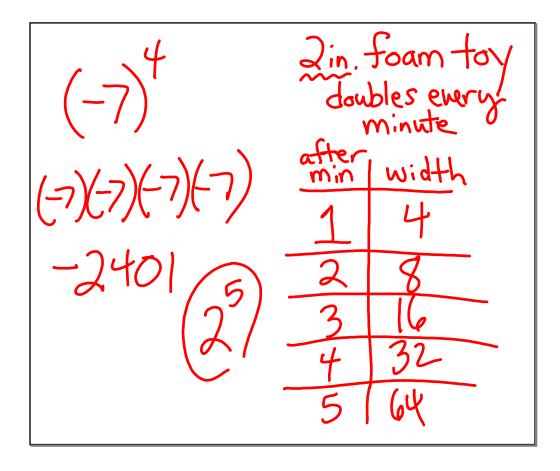
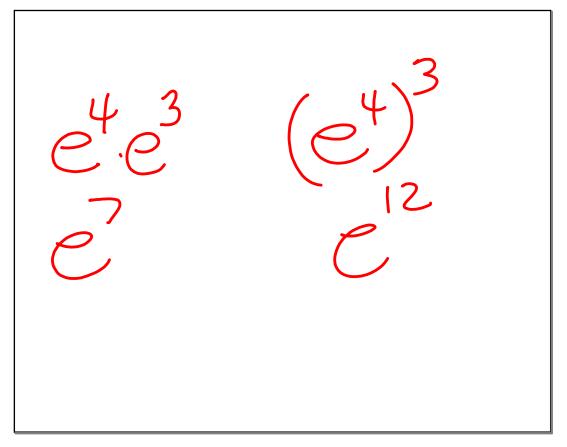
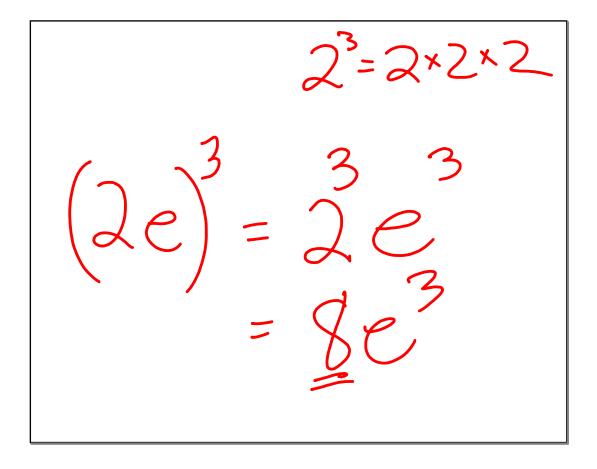
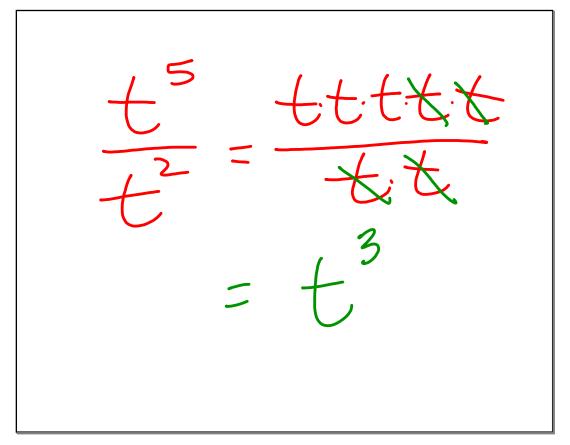
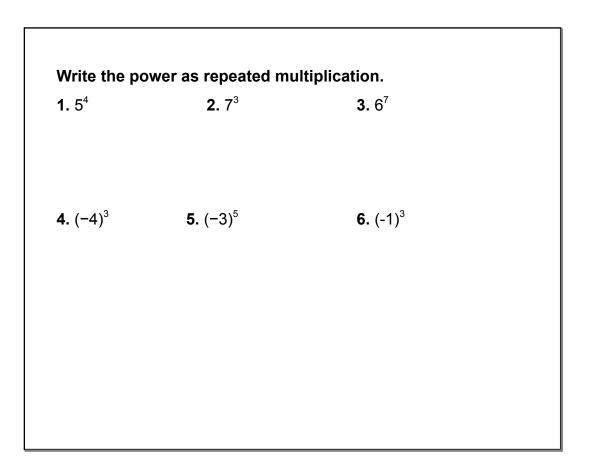
Math 8 <u>Our Goal</u>: To learn about the Quotient of Powers Property <u>Warm Up</u>: Exponents review handout. <u>Homework out please</u>. <u>Today's Homework</u> • 10.3 Exercises, p.426: 1-21 • iready due today <u>Previous Homework</u> 10.2 Exercises, p.420: 1-22





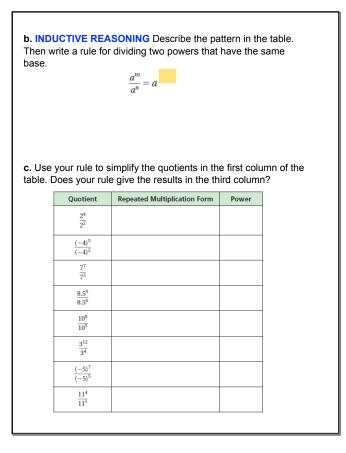


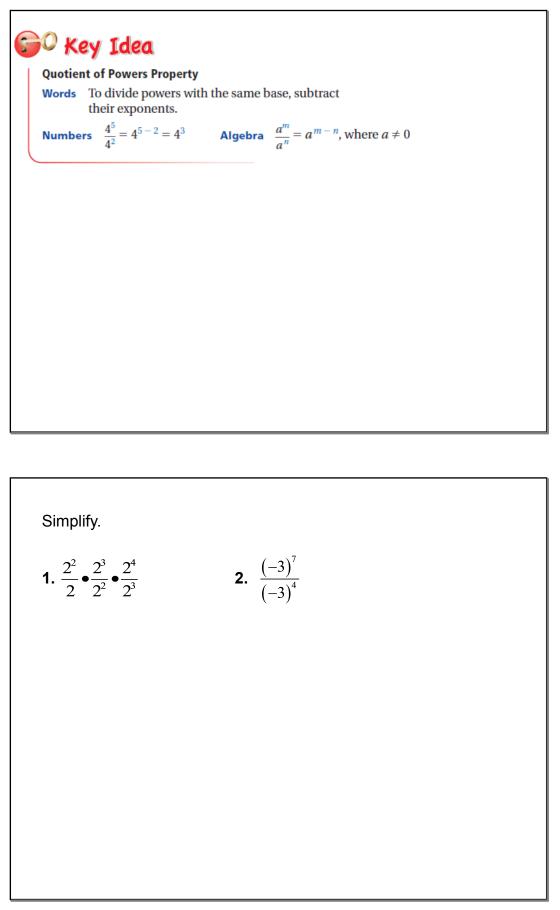


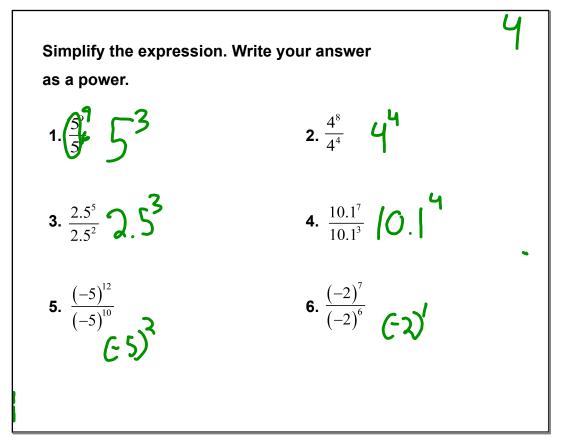


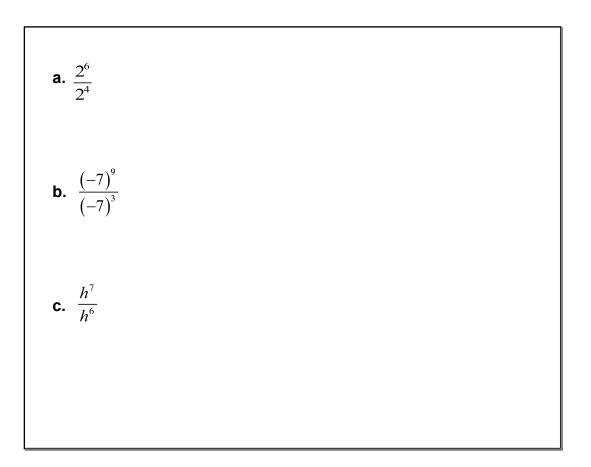


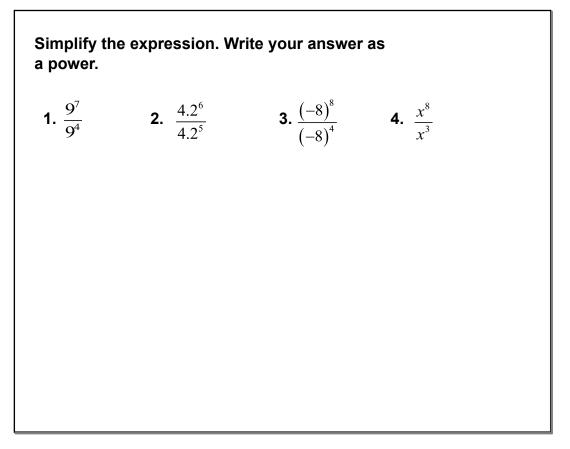
How can you divide two powers that have the same base?

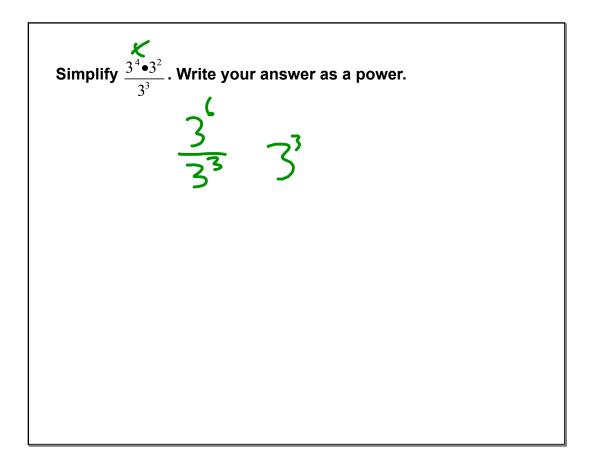


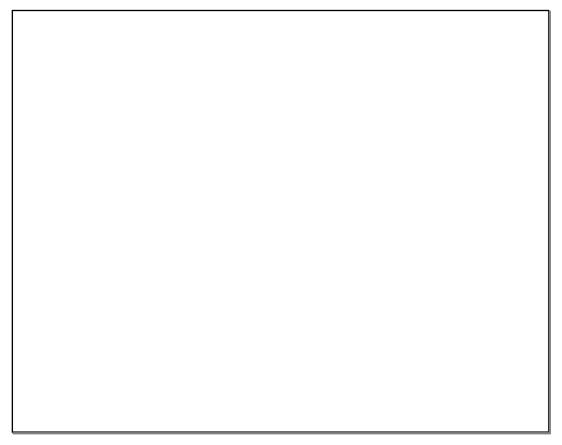


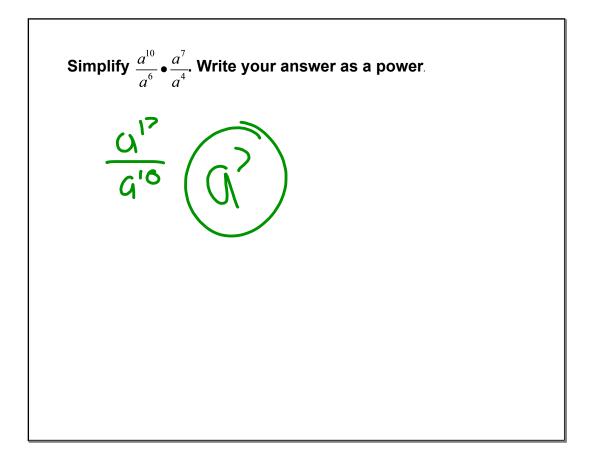


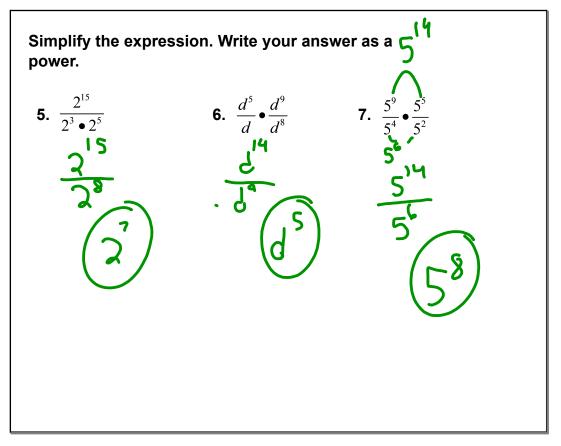


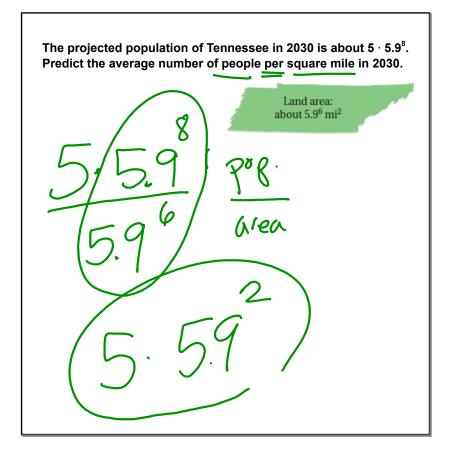












8. The projected population of Alabama in 2030 is about $2.25 \cdot 2^{21}$. The land area of Alabama is about 2^{17} square kilometers. Predict the average number of people per square kilometer in 2030.