

***Objective:**

*Combining Radical Expressions: Products

Got It? 1. Can you simplify the product of the radical expressions? Explain.

a. $\sqrt[4]{7} \cdot \sqrt[5]{7}$

b. $\sqrt[5]{-5} \cdot \sqrt[5]{-2}$

Got It? 2. What is the simplest form of $\sqrt[3]{128x^7}$?

Got It? 3. What is the simplest form of $\sqrt{45x^5y^3} \cdot \sqrt{35xy^4}$?

*Combining Radical Expressions: Quotients

Got It? 4. a. What is the simplest form of $\frac{\sqrt{50x^5}}{\sqrt{2x^4}}$?

*rationalize the denominator (with example):

Got It? 5. a. What is the simplest form of $\frac{\sqrt[3]{7x}}{\sqrt[3]{5y^2}}$?

Inclass: p. 371 #16, 26, 32, 42, 46

Homework: p. 371 #11-51(odd)

Interactmath: #10, 11, 15, 17, 21, 25, 29, 31, 37, 39, 47