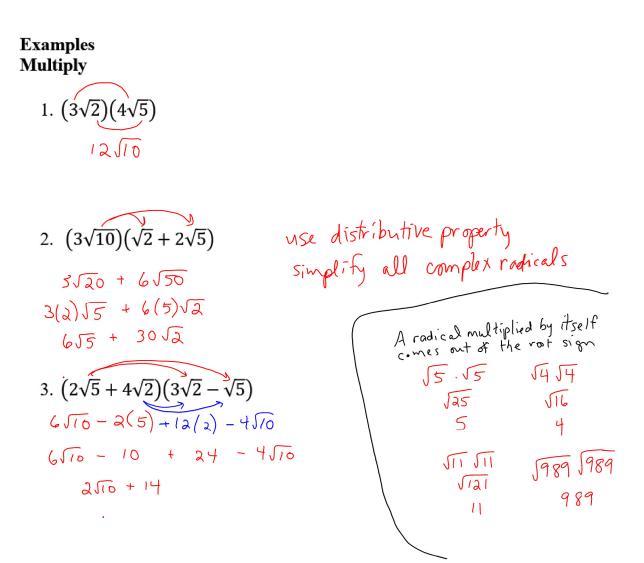
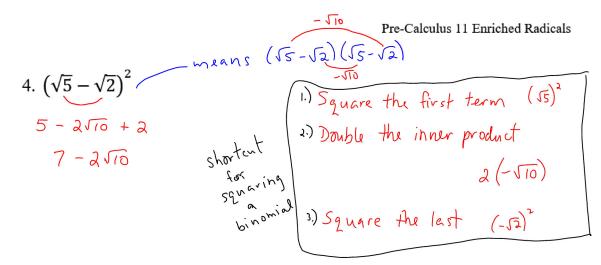
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Pre-Calculus 1 DEnriched Radicals

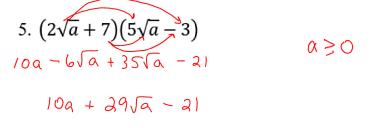
Lesson 3 Multiplying Radicals

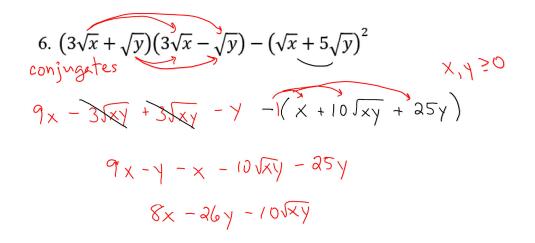
When multiplying radicals, the coefficients and radicals are multiplied separately. Radicals should always be simplified.





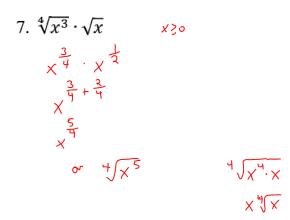
Identify the values of the variables for which each expression is defined, then expand and simplify.

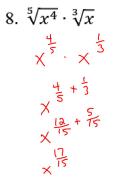




Pre-Calculus 11 Enriched Radicals

Examples Multiply, using exponential form.





9.
$$\sqrt{x^7} \cdot \sqrt[3]{x^5}$$

 $\chi^{\frac{1}{2}} \cdot \chi^{\frac{5}{3}}$
 $\chi^{\frac{1}{2}} \cdot \chi^{\frac{5}{3}}$
 $\chi^{\frac{1}{2}} + \frac{5}{6}$
 $\chi^{\frac{1}{2}} + \frac{10}{6}$
 $\chi^{\frac{3}{2}}$