6.2cont.notebook

Section 6-2 continued

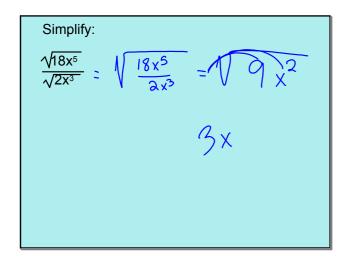
Dividing Radical Expressions

Since multiplication is the inverse operation of division, you can apply the same rule to quotients as products.

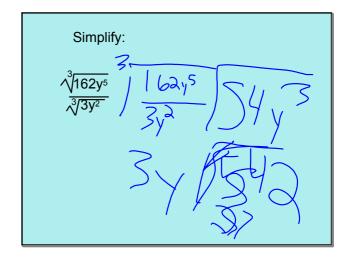
$$\frac{\sqrt[n]{a}}{\sqrt[n]{b}} = \sqrt[n]{\frac{a}{b}}$$

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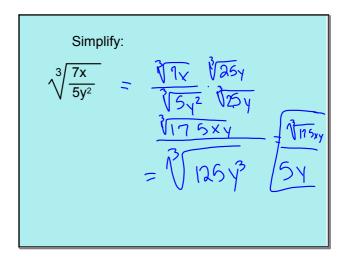
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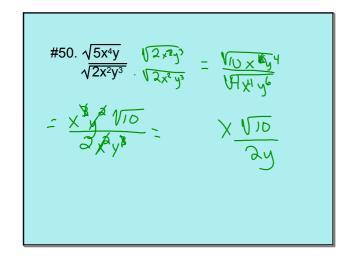


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You cannot leave a radical in the denominator of a fraction, so you must rationalize the denominator.

$$\sqrt{\frac{1}{2}}\sqrt{\frac{2}{2}} = \sqrt{\frac{2}{14}} = \sqrt{\frac{2}{2}}$$



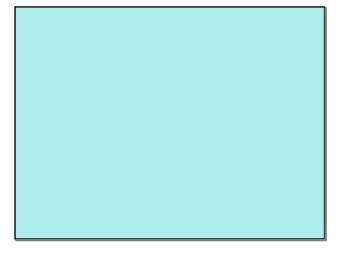


Hwk: pg. 371 - 373 #38 - 54 evens, 64 - 68 evens

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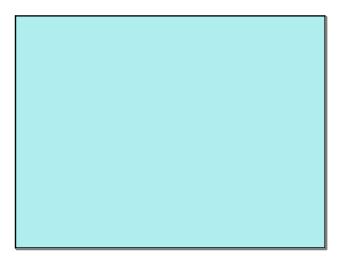


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