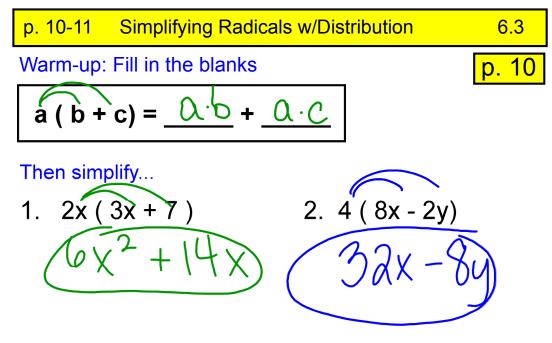
6.3 Simplifying Rads with Distribution p10-11.notebook

6.3 Simplifying Radicals using Distributive Property

a. I can define like radicals.

b. I can use the Distributive Property to add and subtract radical expressions



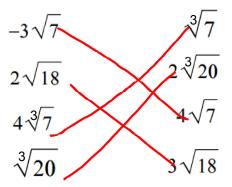
We have discussed how to multiply radicals...

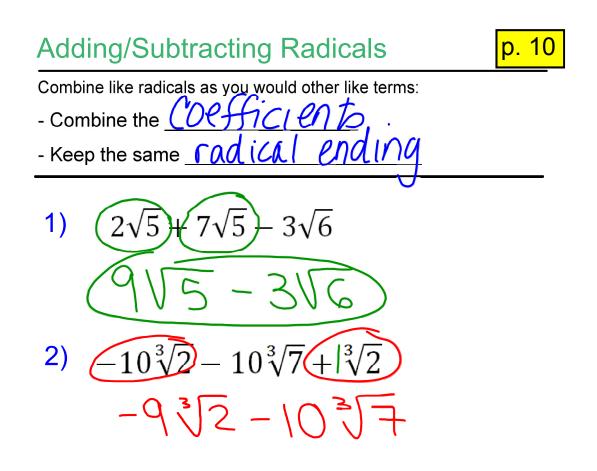
Product Rule
$$\sqrt[n]{a} \cdot \sqrt[n]{b} = \sqrt[n]{a \cdot b}$$

In order to simplify radical expressions by distributing, we must also know how to <u>add and subtract radicals</u>...

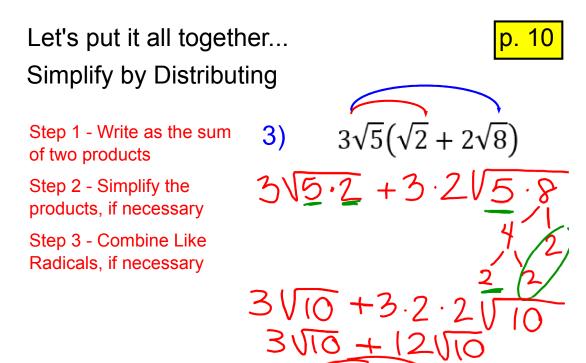
Adding/Subtracting Radicals You can only combine <u>Like Radicals</u>	<mark>p. 10</mark>
You can only combine <u>Like Kadicals</u> .	
Like Radicals have exactly the same (10	IX#
and <u>radicand</u> but may have different <u>coeffi</u>	ciento

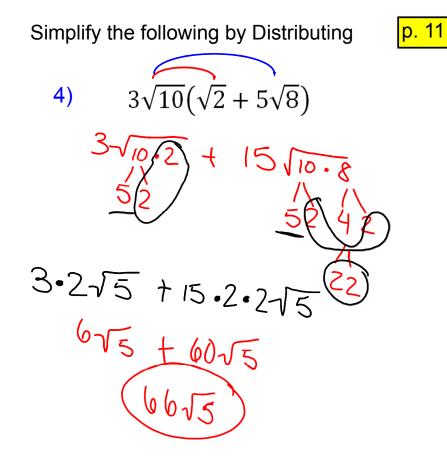
Practice: Draw a line to match the like radicals





6.3 Simplifying Rads with Distribution p10-11.notebook

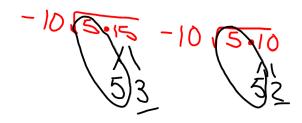


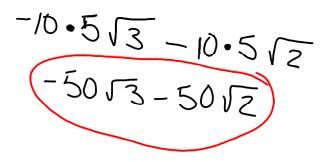


p. 11

Simplify the following by Distributing







Simplify the following by Distributing



6)
$$-3\sqrt{7}(5\sqrt{7}+\sqrt{6})$$

Homework

Complete problems #1-4 by tomorrow

#5 - 16 will be completed during class tomorrow

Short Quiz on Thursday