

Unit 4: Radical Expressions & Equations**4.3 Adding & Subtracting Radical Expressions**

Recall (from 4.2):

Like Radicals

Adding & Subtracting radical expressions similar to adding & subtracting algebraic terms.

Recall:

$$5x - 8y + 14x + 25 + 20y$$

ex. Simplify:

a) $2\sqrt{7} - 13\sqrt{7}$

b) $\sqrt{24} - \sqrt{6}$

c) $\sqrt{4c} - 4\sqrt{9c}, c \geq 0$

d) $-\sqrt{27} + 3\sqrt{5} - \sqrt{80} - 2\sqrt{12}$

e) $\sqrt{20x^3} - 3\sqrt{45x}, x \geq 0$

f) $3\sqrt[3]{54} + 5\sqrt[3]{16} - \sqrt[3]{50}$

Practice: pg. 279/ #8 – 10(cd), 13, 15, 16, 18, 19, 23
& Worksheet(210) – on sheet



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