NAME _____

DATE _____

Module 17   Simplifying Radical Expressions
Lesson 2   Adding and Subtracting Radicals

Lesson Objective

• Add and subtract radical expressions.

1 ▶ Simplify: $6\sqrt{5} - 2\sqrt{5} - 3\sqrt{5}$ _____

2 ▶ Simplify: $\sqrt[3]{4} - 2\sqrt[3]{4} + 5\sqrt[3]{4}$ _____

Like radicals are radicals that have the same _____ and

the same _____.

To add or subtract like radicals, add or subtract the _____,

and keep the _____ the same.

3 ▶ Simplify: $4\sqrt{5} + 3\sqrt{6} - 3\sqrt{5} + 2\sqrt{6}$ _____

4 ▶ Simplify: $-\sqrt{20} - 2\sqrt{5} + \sqrt{80}$ _____

5 ▶ Simplify: $\sqrt{12x^2} - \sqrt{27x^2}$ _____

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