

NAME _____

Module 17 Simplifying Radical Expressions
Lesson 2 Adding and Subtracting Radicals



guided
practice

Set 1

- Simplify: $7\sqrt[3]{5} - 4\sqrt[3]{5}$ $3\sqrt[3]{5}$ _____
- Simplify: $8\sqrt{2} - 3\sqrt{5} - 6\sqrt{2} - 2\sqrt{5}$ $2\sqrt{2} - 5\sqrt{5}$ _____
- Simplify: $5\sqrt{6} + 2\sqrt{7} + \sqrt{7}$ $5\sqrt{6} + 3\sqrt{7}$ _____

Set 2

- Simplify: $7\sqrt{2} - 3\sqrt{50}$ $-8\sqrt{2}$ _____
- Simplify: $\sqrt{48} - 2\sqrt{27} - 2\sqrt{12}$ $-6\sqrt{3}$ _____
- Simplify: $\sqrt[3]{54} + \sqrt[3]{16}$ $5\sqrt[3]{2}$ _____

Set 3

- Simplify: $8\sqrt{z} + 2\sqrt{z}$ $10\sqrt{z}$ _____
- Simplify: $\sqrt{16x} - \sqrt{4x}$ $2\sqrt{x}$ _____
- Simplify: $\sqrt[3]{27x^3} - \sqrt[3]{8x^3}$ x _____

