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 NAME \_\_\_\_\_

**Module 17** Simplifying Radical Expressions  
**Lesson 2** Adding and Subtracting Radicals



**guided  
practice**

**Set 1**

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

**Set 2**

1. Simplify:  $7\sqrt{2} - 3\sqrt{50}$  \_\_\_\_\_
2. Simplify:  $\sqrt{48} - 2\sqrt{27} - 2\sqrt{12}$  \_\_\_\_\_
3. Simplify:  $\sqrt[3]{54} + \sqrt[3]{16}$  \_\_\_\_\_

**Set 3**

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

