
 NAME _____

Module 17 Simplifying Radical Expressions
Lesson 1 Simplifying Radicals

**Set 1**

- Simplify: $\sqrt{100}$ **10** _____
- Simplify: $\sqrt{441}$ **21** _____
- Simplify: $\sqrt{28}$ **$2\sqrt{7}$** _____
- Simplify: $-\sqrt{99}$ **$-3\sqrt{11}$** _____

- Simplify: $\sqrt{50}$ **$5\sqrt{2}$** _____
- Simplify: $\sqrt{40}$ **$2\sqrt{10}$** _____
- Simplify: $\sqrt{-93}$ **not a real number** _____

Set 2

- Simplify: $\sqrt[3]{-1}$ **-1** _____
- Simplify: $\sqrt[3]{4,000}$ **$10\sqrt[3]{4}$** _____
- Simplify: $-\sqrt[3]{1,000}$ **-10** _____

- Simplify: $\sqrt[3]{40}$ **$2\sqrt[3]{5}$** _____
- Simplify: $\sqrt[3]{-27}$ **-3** _____
- Simplify: $\sqrt[3]{-1,000}$ **-10** _____

