

Algebra II Class Worksheet #1 Unit 5

Express each of the following radicals in simplest form.

1. $\sqrt{25} =$ _____

2. $\sqrt[3]{27} =$ _____

3. $\sqrt{144} =$ _____

4. $\sqrt[3]{-125} =$ _____

5. $\sqrt{50} =$ _____

6. $\sqrt[3]{24} =$ _____

7. $\sqrt{12} =$ _____

8. $\sqrt[3]{-54} =$ _____

9. $\sqrt{48} =$ _____

10. $\sqrt[3]{32} =$ _____

11. $\sqrt{108} =$ _____

12. $\sqrt[3]{-80} =$ _____

Perform the indicated operations. Express your answers in simplest form.

13. $\sqrt{12} + \sqrt{27} =$ _____

14. $\sqrt[3]{375} + \sqrt[3]{24} =$ _____

15. $\sqrt{200} - \sqrt{32} =$ _____

16. $\sqrt[3]{54} - \sqrt[3]{16} =$ _____