General Algebra II   Class Worksheet #1   Unit 7   _____

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