General Algebra II   Worksheet #5   Unit 7 page 1   _____

Express each of the following in simplest form.

1. $\sqrt{48}$ =

2. $\sqrt[3]{48}$ =

3. $\sqrt{-54}$ =

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

5. $\sqrt{\dfrac{4}{9}}$ =

6. $\sqrt[3]{\dfrac{4}{9}}$ =

7. $\sqrt{\dfrac{-3}{8}}$ =

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

9. $\sqrt{1.6}$ =

10. $\sqrt[3]{1.6}$ =

11. $\sqrt{-1.25}$ =

12. $\sqrt[3]{-1.25}$ =

Perform the indicated operations. Express each of the following in simplest form.

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

14. $\sqrt[3]{108} - \sqrt[3]{32} = $ _____

15. $\sqrt{\dfrac{5}{8}} - \sqrt{\dfrac{1}{10}} = $

16. $\sqrt[3]{\dfrac{3}{4}} + \sqrt[3]{\dfrac{2}{9}} = $