

Algebra II Worksheet #4 Unit 5 page 1

Express each of the following in simplest form.

1. $\sqrt{40} =$

2. $\sqrt[3]{40} =$

3. $\sqrt{-250} =$

4. $\sqrt[3]{-250} =$

5. $\sqrt{\frac{3}{4}} =$

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

7. $\sqrt{\frac{-5}{8}} =$

8. $\sqrt[3]{\frac{-5}{8}} =$

9. $\sqrt{2.5} =$

10. $\sqrt[3]{2.5} =$

11. $\sqrt{-1.75} =$

12. $\sqrt[3]{-1.75} =$

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

13. $\sqrt{18} + \sqrt{50} =$ _____

14. $\sqrt[3]{81} - \sqrt[3]{24} =$ _____

15. $\sqrt{\frac{3}{4}} - \sqrt{\frac{1}{3}} =$

16. $\sqrt[3]{\frac{2}{25}} + \sqrt[3]{\frac{5}{32}} =$